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1634. 1898.

# Report

—of the—

# Town Officers

—of—

## Ipswich, Mass.,

—for the—

Year Ending December 31st, 1897,

—and the—

Two Hundred and Sixty-Fourth Year of the Town's Incorporation.

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Ipswich, Mass.:
The Independent Press,
1898.

IPSWICH · MASS · U.S.A.
INC. 1634
THE BIRTHPLACE
OF AMERICAN
INDEPENDENCE
1687

# TOWN OFFICERS, 1897.

TOWN CLERK.

Charles W. Bamford.

SELECTMEN.

Luther Wait, John A. Brown, Walter E. Lord.

ASSESSORS.

Luther Wait, John A. Brown, Daniel S. Appleton.

OVERSEERS OF THE POOR.

Luther Wait, John A. Brown, Charles S. Cummings.

TREASURER AND COLLECTOR.

Thomas E. Condon.

SCHOOL COMMITTEE.

| | | | |
|---|---|---|---|
| George E. Macarthy, (Chairman) | Term | expires | 1898 |
| Charles W. Bamford, | " | " | 1898 |
| John H. Cogswell, (Secretary) | " | " | 1899 |
| Harriet E. Noyes, | " | " | 1899 |
| Charles S. Cummings, | " | " | 1900 |
| Milo H. Gates, | " | " | 1900 |

REGISTRARS OF VOTERS.

Charles W. Bamford, J. Farley Kinsman,
Charles H. Glazier, Warren Boynton.

AUDITOR.

Henry F. Dunnells.

CONSTABLES.

Charles T. Littlefield, Charles H. Rollins,
Frank B. Page, William H. Brocklebank.

WATER COMMISSIONERS.

Walter E. Lord, Chairman,
Everard H. Martin, Charles W. Brown.

CEMETERY COMMISSIONERS.

Philip E. Clarke, Samuel N. Baker, James Griffing.

BOARD OF HEALTH.

James Griffing, Levi W. Mallard, George W. Smith.

# Assessors' Report.

## For The Year Ending December 31, 1897.

Appropriations:

| | | |
|---|---|---|
| For High and common schools | $13300 00 | |
| Highways, including $2000 for sidewalks, edgestones and concrete | 8000 00 | |
| Current expenses | 3000 00 | |
| Street lamps | 1500 00 | |
| Fees and salaries | 4500 00 | |
| Fire department | 1200 00 | |
| Poor account | 2000 00 | |
| Farm account | 1000 00 | |
| Note, Green street bridge | 500 00 | |
| Note, Winthrop schoolhouse | 1000 00 | |
| Sinking fund (Water account) | 1899 08 | |
| Hydrant service | 1875 92 | |
| Memorial Day | 150 00 | |
| Interest on town notes | 1500 00 | |
| Discounts | 575 00 | |
| Abatements | 400 00 | |
| Deficiencies | 1500 00 | |
| Care of cemeteries | 600 00 | |
| Care of commons | 150 00 | |
| Mineral street bridge | 100 00 | |
| Improvements at Town Hall | 600 00 | |
| Argilla road | 500 00 | |
| Total appropriations | | $45850 00 |
| State tax | $2065 00 | |
| County tax | 2731 31 | |
| | | 4796 31 |
| Total to assess | | $50646 31 |

| | | |
|---|---|---|
| Less receipts [estimated]..... | | 2407 85 |
| Total amount assessed..... | | $48238 46 |
| On polls..... | 2508 00 | |
| On personal property..... | 11326 99 | |
| On real estate..... | 34403 47 | |
| | | $48238 46 |

Number of Polls, 1254.

Tax on poll, $2.00.

| | | |
|---|---|---|
| Valuation of personal estate..... | $ 758504 00 | |
| Valuation of real estate..... | 2294021 00 | |
| Total valuation for 1897..... | | $3052525 00 |

Rate of taxation per thousand $15.00.

| | |
|---|---|
| Number of horses and jacks assessed..... | 800 |
| " " cows " ..... | 729 |
| " " neat cattle other than cows assessed..... | 206 |
| " " sheep assessed..... | 95 |
| " " swine " ..... | 306 |
| " " fowl " ..... | 7673 |
| " " dwelling houses..... | 930 |
| " " acres of land..... | 16340 |

Abatements.....$416 16

Respectfully submitted,

Luther Wait,
John A. Brown,
Daniel S. Appleton,
} Assessors of Ipswich.

Ipswich, Mass., Jan. 1, 1898.

# Town Clerk's Report.

To the Selectmen of Ipswich,

GENTLEMEN:

I would respectfully submit the following report of births, marriages and deaths recorded in this office during the year 1897. In addition to the report for the year I have obtained for required record the names and facts relating to four children born during the year 1896, and not previously reported.

The number of dogs licensed also appear showing the total number reported by the Assessors to have been duly licensed.

Births returned this date and recorded, 101.

Male children born during the year 54, female 47.

Twins were born in one instance only. The records show the nativity of parents as follows:

Fathers born in Ipswich, 23.
Fathers born in other places in Mass., 24.
Fathers born in other parts of U. S., 13.
Fathers born in British Provinces, 27.
Fathers born in England, 5.
Fathers born in Ireland, 4.
Fathers born in Scotland, 1.
Fathers born in Sweden, 3.
Total, 100.
Mothers born in Ipswich, 17.
Mothers born in other places in Mass., 25.
Mothers born in other parts of U. S., 13.
Mothers born in British Provinces, 36.
Mothers born in England, 2.
Mothers born in Ireland, 4.

Mothers born in Sweden, 2.
Mothers born in Belgrade, 1.
Total, 101.

Births by months: January 8, February 6, March 8, April 7, May 9, June 8, July 11, August 12, September 5, October 6, November 11, December 10.

Marriages in Ipswich during the year ending Dec. 31, 1897: whole number 56.

Grooms born in Ipswich, 8.
Grooms born in Mass., 16.
Grooms born in other places in U. S., 9.
Grooms born in British Provinces, 20.
Grooms born in England, 2.
Grooms born in Sweden, 1.
Total, 56.
Brides born in Ipswich, 8.
Brides born in other places in Mass., 11.
Brides born in other places in U. S., 7.
Brides born in British Provinces, 24.
Brides born in England, 3.
Brides born in Ireland, 2.
Brides born in Sweden, 1.
Total, 56.

Oldest groom, seventy years of age; oldest bride, fifty-five years; youngest groom, twenty-one; youngest bride, eighteen. One groom for the third marriage, one bride for the second, and three grooms for the second.

Marriages recorded by months: January 5, February 4, March 5, April 3, May 4, June 4, July 8, August 1, September 7, October 10, November 3, December 2, By denomination, etc., Roman Catholic clergymen 19, Congregational 15, Episcopal 7, Baptist 7, Methodist Episcopal 5, denomination not given 2, Justice of the Peace 2.

Whole number of deaths and burials returned 91.

Died in Ipswich 81, died in other places and buried in Ipswich 10.

Returns by months: January 8, February 8, March 8, April 12, May 10, June 3, July 8, August 7, September 9, October 8, November 5, December 5.

Fathers born in Ipswich, 26.
Fathers born in other places in Mass., 15.
Fathers born in other places in U. S., 13
Fathers born in British Provinces, 15.
Fathers born in Ireland, 8.
Fathers born in England, 5.
Fathers born in Scotland, 1.
Birthplace unknown, 8.
Mothers born in Ipswich, 20.
Mothers born in other parts of Mass., 22.
Mothers born in other places in U. S., 12.
Mothers born in British Provinces, 18.
Mothers born in Ireland, 8.
Mothers born in England, 5.
Mothers born in Scotland, 1.
Birthplace unknown, 5.

Nine were more than eighty years of age, fifteen more than seventy, eight were more than sixty, twelve more than fifty, seven were forty, eight were over thirty, eight were over twenty, two over ten and twenty-two were less than ten.

Whole number of dogs returned to the clerk by the assessors was 236. Licenses were issued for that number: Male dogs, 212, female dogs, 24. Total 236.

Very respectfully,
Charles W. Bamford,
Town Clerk.

Ipswich, January 21, 1898.

# Report of the Board of Health.

The number of cases of contagious diseases reported to the Board of Health for the year of 1897 was 73, namely: diphtheria, 64; typhoid fever, 6; measles, 3. The number of deaths from these diseases was 7; namely, diphtheria, 6; typhoid fever, 1.

There have been a few more cases of diphtheria during the past year than on some previous years, but generally it has been of a mild type, however; and the small death rate from this disease is no doubt due to the new remedy, anti-toxine, which the physicians have so generally used in their treatment of this disease, which is worthy of favorable notice. All other contagious diseases have appeared with less frequency during the past year than for several years past, and the board desires to express their thanks to the physicians for the prompt manner in which they have reported cases of contagious diseases.

There is one matter that the board wishes to call the attention of the people to, and that is, that we think that the spreading of contagious diseases is often due to the thoughtless intermingling of members of afflicted households with other families. Now you are well aware that contagious diseases are equally to be abhorred by all classes of citizens, therefore every individual in the community should endeavor to co-operate with this board in carrying out all measures having for their object the preservation of the public health.

As regards the sanitary condition of the town, we consider it in a very good condition. There have been but very few complaints made to the board in regard to nuisances of any kind during the year; but in each and every case when

a complaint has been made the same has been investigated without delay, and if a nuisance was found to exist the same was ordered abated, and in no case was our orders disregarded in this respect.

In closing this report we desire to congratulate the town upon the general good health which has prevailed during the past year, and promise that every precaution shall be used for its continuance.

Respectfully submitted,

James Griffing, George W. Smith, Levi W. Mallard, } Board of Health.

Ipswich, Mass., January 12, 1898.

# Report of Engineers.

To the Selectmen of Ipswich:

GENTLEMEN:

Following is the report of the Board of Engineers of the Fire Department for the year ending Jan. 1, 1898.

Number of alarms, 4.

Number of still alarms, 2.

Number of forest fires, 2.

| | |
|---|---|
| Value of property endangered by fire | $13300 00 |
| Property damaged by fire | 1574 34 |
| Insurance on same | 5902 00 |
| Insurance paid | 1270 00 |
| Number of men in department, 70. | |
| Value of fire department equipment | 6000 00 |
| Value of buildings occupied by the department | 3000 00 |

Number feet good hose, 5000 feet.

Number feet poor hose, 600 feet.

We have erected a building in the rear of the Red Men's building at a cost of $45.63 and placed therein a hose carriage equipped and ready for business, aud we would suggest that a similar one be erected somewhere in the south part of the town.

At the meeting in September it was discovered that the smoke tubes in the steamer were leaking badly, and upon examination we found that several had holes in them and nearly all the others were defective. We could have replaced the leaky ones and allowed the others to stand, but as it would only be a short time when they also would leak we decided that it would be in the interest of economy to put in a complete new set, which we did at a cost of $149.41. The steamer now is as good as new, and if nothing but soft water is allowed to stand in the boiler the tubes will last several years.

The approach to the Neptune house is worn out and will have to be rebuilt, and we would suggest that it be filled in and concreted. The cost of so doing will be about $50 and will last a great many years.

We would recommend that the sum of $1500 be raised and appropriated to run the department the ensuing year.

We desire to extend thanks to the members of the department for their willing and obedient response to all calls and to those not of the department who have rendered valuable and timely assistance on several occasions.

Respectfully submitted,

Charles E. Goodhue,
John W. Patterson,
H. A. Russell,
} Engineers of Fire Dept.

# Report of Police.

To the Board of Selectmen of the town of Ipswich:

The following is a list of the arrests made by the Board of Police of said town for the year ending from Feb. 1, 1897 to Jan. 1, 1898:

Drunks, ending from Feb. 1, 1897 to Jan. 1, 1898, 25.
Non-support, 1.
Larceny, 1.
Assault, 5.
Illegal taking of shell-fish, 13.
Lascivious conduct, 1.
Breach of Peace, 3.
Embezzlement, 1.
Using false measures, 3.
Illegal transportation of liquor, 1.
Malicious mischiet, 4.
Catching smelts, 3.
Total arrests, 61.
Tramps, 1146.

Respectfully submitted,

C. T. Littlefield,

Chief of Police.

# Report of Overseers of Poor.

## For The Year Ending December 31, 1897.

### Poor Account.

Bills Allowed.

Paid:

| | | | |
|---|---|---|---|
| Ezra Merrill, | rent | $ 48 00 | |
| Sophia Nourse, | " | 37 50 | |
| Chas. W. Spiller, | " | 60 00 | |
| Peter Mathein, | " | 12 00 | |
| John A. Brown, | " | 24 00 | |
| C. M. Jones, | " | 26 25 | |
| Susan Wait, | " | 48 00 | |
| Nellie Augur, | " | 24 00 | |
| Stephen Jewett, | " | 29 25 | |
| Est. W. G. Brown, | " | 146 00 | |
| Theo. F. Cogswell, | " | 84 00 | |
| Ruth Baker, | " | 33 75 | |
| James W. Bond, | " | 88 00 | |
| Abbie King, | " | 30 00 | |
| | | | $ 690 75 |

### Fuel.

Paid:

| | | | |
|---|---|---|---|
| A. H. Peatfield, | coal | $127 33 | |
| T. B. Fall & Son, | " | 23 47 | |
| J. S. Glover, | " | 8 00 | |
| | | | $ 158 80 |
| Carter Brothers, | wood | 52 63 | |
| J. C. Underhill & Son, | " | 19 40 | |
| T. B. Fall & Son, | " | 4 40 | |
| | | | $ 76 43 |

| | | | |
|---|---|---|---|
| Thomas E. Condon, groceries | 31 00 | | |
| Curtis Damon & Co., " | 48 40 | | |
| F. T. Goodhue, " | 72 00 | | |
| N. Blaisdell, " | 4 11 | | |
| Nathaniel Burnham, " | 173 96 | | |
| Lewis E. Willcomb, " | 64 00 | | |
| W. B. Richards, " | 4 00 | | |
| | | 397 | 47 |
| S. H. Thurston, shoes | 1 75 | | |
| I. E. B. Perkins, " | 4 15 | | |
| | | 5 | 90 |
| C. W. Bamford, dry goods | 1 50 | | |
| W. E. Lord, " | 14 52 | | |
| F. B. Baker, millinery | 75 | | |
| | | 16 | 77 |
| W. E. Tucker, M. D. | 7 00 | | |
| C. E. Ames, M. D. | 29 00 | | |
| Charles Palmer, M. D. | 36 00 | | |
| Ebin R. Smith, medicines | 7 27 | | |
| C. W. Brown, " | 5 25 | | |
| J. A. Blake, " | 10 00 | | |
| C. H. & J. Price, anti-toxine | 2 65 | | |
| | | 97 | 17 |
| B. & M. R. R., fares poor travelers | 29 86 | | |
| Bernard Scahill, lodging poor travelers | 9 25 | | |
| | | 39 | 11 |
| Paid: | | | |
| J. J. Andrews, board of son | 96 00 | | |
| J. K. Chapman, " " | 48 00 | | |
| A. B. Wall, board of Carpenter child | 105 26 | | |
| L. Ricker, " " Grose child | 29 28 | | |
| Joseph Leno, " " D. Garrette | 20 00 | | |
| O. A. Bailey, " " C. H. Pike | 53 00 | | |
| | | 351 | 54 |

| | | |
|---|---|---|
| Rozillah Hobson, allowance from town.. | 103 92 | |
| Augusta Currier, " " " .. | 17 32 | |
| Eliza Banner, " " " .. | 20 00 | |
| A. B. Wall, allowance from Needham..... | 48 00 | |
| A. M. Dole, " " Salisbury..... | 64 50 | |
| | | 253 74 |
| Mary E. Jewett, nursing Mrs. Noyes..... | 14 00 | |
| Susan Hobbs, " M. Stewart..... | 12 00 | |
| Lauretta Fowler, " Dole and Mayo | 7 00 | |
| Antoinette Smith, " " " " | 27 00 | |
| Mary E. Jewett, " " " " | 1 50 | |
| Lucy A. Merrill, " " " " and boarding nurses..... | 11 00 | |
| Timothy B. Ross, watching L. Ricker..... | 2 00 | |
| J. M. Dunnells, sundries and repairs, Mrs. Alfrey..... | 2 86 | |
| Warren Boynton, horse hire..... | 1 00 | |
| | | 78 36 |
| George W. Baker, care of tramps..... | 125 88 | |
| Thomas E. Condon, bread for tramps..... | 36 74 | |
| | | 162 62 |
| Philip E. Clark, burial indigent persons... | | 59 50 |
| | | $2388 16 |

## Poor in Other Towns.

Paid:

| | |
|---|---|
| Town of Rowley, aid to Peabody and Tibbetts..... | $271 58 |
| City of Gloucester, aid to Lewis and Gering..... | 78 00 |
| City of Boston, aid to Butterworth and Dechane..... | 80 00 |
| City of Lynn, aid to J. E. Keating..... | 21 50 |
| City of Salem, board Lizzie Doherty..... | 40 00 |

| | | |
|---|---|---|
| Danvers Lunatic Hospital, board of Jean, Perley and Simmons | 267 43 | |
| Westboro Insane Hospital, board Royal | 30 17 | |
| Hospital for Dipsomaniacs, board F. A. Newton | 70 11 | |
| Worcester Lunatic Hospital, board N. Fellows | 23 21 | |
| Luther Wait, expense to Worcester N. Fellows | 2 75 | |
| Town of Hamilton, aid to Enoch Bailey Jr. | 37 29 | |
| | | $ 922 04 |
| Total payments | | $3310 20. |
| Received from city of Boston | 54 49 | |
| Received from city of Salem | 24 00 | |
| Received from city of Gloucester | 32 00 | |
| Received from city of Lynn | 21 38 | |
| Received from city of Beverly | 29 28 | |
| Received from town of Needham | 84 48 | |
| Received from town of Salisbury | 104 15 | |
| Received from town of Rowley | 2 00 | |
| Received from Mrs. J. A. Dodge | 90 54 | |
| Received from William Jean | 15 00 | |
| | | 457 32 |
| Due from Commonwealth | 118 89 | |
| Due from city of Boston | 23 50 | |
| Due from city of Salem | 30 50 | |
| Due from city of Lynn | 11 50 | |
| Due from city of Gloucester | 40 07 | |
| Due from town of Needham | 39 00 | |
| Due from town of Salisbury | 12 00 | |
| Due from town of Topsfield | 50 00 | |
| Due from town of Rowley | 11 55 | |
| Due from Mrs. J. A. Dodge | 42 71 | |
| | | 379 72 |

| | | |
|---|---|---|
| Balance, being expense of poor off the farm | | 2473 16 |
| | | $3310 20 |
| Balance | 2473 16 | |
| Appropriations | 2000 00 | |
| Balance, being excess of cost above appropriation | $473 16 | |

## Town Farm.

Bills Allowed:

| | | | |
|---|---|---|---|
| George B. Brown, | grain | $671 18 | |
| J. W. A. Hayes, | " | 9 00 | |
| W. B. Richard, | " | 26 00 | |
| | | | $ 706 18 |
| George B. Brown, | flour | 67 70 | |
| N. J. Bolles, | groceries | 8 64 | |
| H. C. Copp, | " | 16 52 | |
| Hart & Lord, | " | 94 49 | |
| N. Burnham, | " | 16 02 | |
| Dodge & Spiller, | " | 87 54 | |
| Curtis Damon & Co., | " | 108 68 | |
| A. P. Hills, | " | 62 49 | |
| F. T. Goodhue, | " | 32 98 | |
| T. E. Condon, | " | 34 47 | |
| L. E. Willcomb, | " | 18 64 | |
| T. H. Lord, | " | 34 53 | |
| C. W. Hayes, | " | 28 92 | |
| G. H. Haskell, | " | 18 68 | |
| | | | 630 30 |
| George H. Green, | provisions | 5 10 | |
| W. B. Richards, | " | 39 03 | |
| N. L. Blaisdell, | " | 4 26 | |
| George W. Tozer, | " | 70 58 | |
| J. A. Wallace, | " | 29 56 | |

| | | |
|---|---|---|
| D. W. Kimball, provisions | 27 45 | |
| J. W. Perkins, " | 3 62 | |
| | | 179 60 |
| C. W. Bamford, dry goods | 7 95 | |
| W. E Lord, " | 28 77 | |
| W. S. Russell, " | 16 69 | |
| W. H. Roberts, clothing | 2 50 | |
| G. F. Langdon, " | 11 50 | |
| S. N. Baker, " | 22 60 | |
| R. Jordan & Co., " | 24 42 | |
| | | $ 114 43 |
| John P. Holland, boots and shoes | 4 25 | |
| I. E. B. Perkins, " " | 17 35 | |
| Edw. T. Pike, " " | 4 30 | |
| J. A. Tucker, " " | 10 45 | |
| L. D. Pickard, repairs | 2 00 | |
| | | 38 35 |
| Walter S. Atkinson, fish | 38 41 | |
| Moses H. Grimes, " | 3 00 | |
| Rust & Grant, " | 8 18 | |
| E. J. Grant & Son, " | 7 65 | |
| | | 57 24 |
| A. C. Damon, house furnishings | | 42 77 |
| J. Stackpole & Son, soap | 6 08 | |
| J. Stackpole & Son, fertilizer | 64 50 | |
| W. G. Brown, [N. H.], oxen | 115 00 | |
| J. W. Carlisle, bull | 30 00 | |
| Seth Senior, difference in cows | 10 00 | |
| | | 225 58 |
| T. B. Fall & Son, coal | 45 64 | |
| J. M. Caldwell & Son, " | 26 03 | |
| John S. Glover, " | 26 15 | |
| | | 97 82 |
| Theo. F. Cogswell, insurance | 200 10 | |

| | | |
|---|---|---|
| C. F. Chapman, sundries and repairs..... | 6 40 | |
| E. L. Irving, " " ..... | 13 80 | |
| J. B. Richards, " " ..... | 1 70 | |
| Mark Newman, " " ..... | 10 30 | |
| A. H. Plouff, " " ..... | 27 11 | |
| J. M. Dunnells, " " ..... | 5 90 | |
| J. A. Blake, " ..... | 3 95 | |
| Ebin R. Smith, " ..... | 1 95 | |
| C. W. Brown, " ..... | 3 05 | |
| H. W. Lake, capturing Potter..... | 3 00 | |
| J. W. Goodhue, sundries..... | 23 11 | |
| C. F. Wilcox, sundries..... | 19 73 | |
| M. Whittier, cutting ice..... | 4 00 | |
| James Graffum, repairs..... | 37 30 | |
| John Durand, " ..... | 7 25 | |
| W. A. Spiller, " ..... | 8 40 | |
| J. Albert Smith, shoeing, etc..... | 47 03 | |
| M. Nolan, " " ..... | 7 65 | |
| Chelmsford Foundry, iron rods..... | 5 85 | |
| Chronicle Pub. Co., subscription..... | 1 50 | |
| Independent Print, " ..... | 1 50 | |
| George Spencer, mason work..... | 18 50 | |
| G. H. Brocklebank, mason work..... | 7 50 | |
| J. E. Dodge, painting wagon..... | 10 00 | |
| Carter Bros., grinding corn..... | 12 75 | |
| W. J. Norwood, " " ..... | 6 37 | |
| Foss & Butler, paper hanging..... | 3 50 | |
| Foster Russell, windows, lead, etc..... | 20 48 | |
| Foster Russell, labor..... | 19 12 | |
| Theo. F. Cogswell, steps and spirits..... | 2 90 | |
| Frank B. Page, repairs..... | 8 55 | |
| Edwin F. Akerman, repairs..... | 2 85 | |
| W. E. Tucker, M. D..... | 13 00 | |
| J. A. Blake, medicine..... | 15 85 | |
| | | 581 95 |

## Labor.

Paid:

| | | |
|---|---|---|
| Charles W. Sylvester, superintendent | $600 00 | |
| Newcomb Brown | 260 00 | |
| Albert Rice | 140 77 | |
| Belle McKenzie | 156 00 | |
| Ida Rand | 143 00 | |
| | | 1299 77 |
| Charles Jewett, labor on ice | 4 00 | |
| Dexter R. Johnson, " " | 2 00 | |
| G. A. Pickard, " " | 2 00 | |
| | | 8 00 |
| Total bills allowed by Overseers | | $3981 99 |
| Bills paid by superintendent | | 96 44 |
| | | $4078 43 |

## Sales from the Farm.

| | |
|---|---|
| Cream | $938 04 |
| Milk | 70 34 |
| Cattle | 91 00 |
| Pigs | 179 60 |
| Potatoes | 53 67 |
| Calves | 20 00 |
| Hay | 93 24 |
| Eggs | 42 22 |
| Chickens | 45 90 |
| Cabbage | 18 50 |
| Apples | 9 75 |
| Pork | 73 42 |
| Mulch | 2 00 |
| Junk | 2 00 |
| Teaming | 10 00 |
| Board of Horse | 40 00 |

| | | |
|---|---|---|
| Dividend on insurance..... | 30 00 | |
| | | $1719 68 |
| Increase in personal property..... | | 731 00 |
| | | $2450 68 |
| Balance expense of poor at farm..... | | 1627 75 |
| | | $4078 43 |

The whole number of inmates at the farm during the year was 21. Number at the present time 16. The cost per week for each inmate has been $1.96.

Respectfully submitted,

Luther Wait,
John A. Brown,
Charles S. Cummings,
} Overseers of the Poor.

# INVENTORY OF PROPERTY AT THE FARM.

## Stock, Tools, Etc.

| | 1897 | | 1898 | | | |
|---|---|---|---|---|---|---|
| | No. | Value. | No. | Value. | Increase | Dec'se |
| Oxen | | | 2 | $150 | $150 | |
| Cows | 36 | $1080 | 31 | 930 | | 150 |
| Heifers | 2 | 45 | | | | 45 |
| Bulls | 1 | 25 | 1 | 40 | 15 | |
| Horses | 4 | 400 | 4 | 400 | | |
| Colts | 1 | 100 | 1 | 100 | | |
| Fat hogs | 13 | 260 | 13 | 260 | | |
| Shoats | 10 | 45 | 1 | 5 | | 40 |
| Pigs | 25 | 50 | 16 | 32 | | 18 |
| Fowl | 100 | 50 | 100 | 50 | | |
| Horse wagons | 4 | 130 | 4 | 130 | | |
| Horse wagons | 1 | 50 | 1 | 50 | | |
| Horse cart | 1 | 70 | 1 | 70 | | |
| Pung | 1 | 10 | 1 | 10 | | |
| Ox wagons | 3 | 300 | 3 | 300 | | |
| Ox carts | 2 | 75 | 2 | 75 | | |
| Mowing machines | 4 | 110 | 4 | 110 | | |
| Plows | 4 | 40 | 4 | 40 | | |
| Cultivators | 1 | 5 | 1 | 5 | | |
| Horse hoes | 2 | 16 | 2 | 16 | | |
| Harrows | 4 | 60 | 4 | 60 | | |
| Ox sleds | 3 | 50 | 3 | 50 | | |
| Drag | 1 | 5 | 1 | 5 | | |
| Wood, cords | 52 | 315 | 50 | 300 | | 12 |
| ·l, tons | 14 | 84 | 14 | 84 | | |
| eries | | 78 | | 78 | | |
| y utensils | | 140 | | 140 | | |
| iture and bedding | | 400 | | 450 | 50 | |
| ge and fixtures | | 145 | | 145 | | |
| ves and furnaces | | 130 | | 130 | | |
| innowing mills | 2 | 12 | 2 | 12 | | |
| Wheel rakes | 2 | 40 | 2 | 40 | | |
| Tedders | 2 | 25 | 2 | 25 | | |
| Tools | | 100 | | 100 | | |
| Blocks and ropes | | 15 | | 15 | | |
| Harnesses | 6 | 100 | 6 | 100 | | |
| Rack | 1 | 15 | 1 | 15 | | |
| Suction pump | 1 | 4 | 1 | 4 | | |
| Windmill and tank | | 200 | | 200 | | |
| Potato digger | 1 | 20 | 1 | 20 | | |
| Scales | 1 | 23 | 1 | 23 | | |
| Fire extinguishers | 12 | 12 | 12 | 12 | | |
| Wheelbarrows | 2 | 6 | 2 | 6 | | |
| Screen | 1 | 5 | 1 | 5 | | |
| Totals, | | $4842 | | $4792 | 215 | 265 |

## PRODUCE, Etc.

| | 1897 | | 1898 | | | |
|---|---|---|---|---|---|---|
| | No. | Value. | No. | Value. | Increase | Dec'se |
| Corn, bushels . . . . | 600 | $300 | 600 | $ 300 | | |
| Beans, " . . . . | 15 | 37 | 13 | 33 | | 4 |
| Potatoes, " . . . . | 200 | 120 | 50 | 50 | | 70 |
| Roots, " . . . . | 25 | 12 | 10 | 5 | | 7 |
| Onions, " . . . . | 2 | 2 | 2 | 2 | | |
| Apples, barrels . . . . | 35 | 35 | 10 | 35 | | |
| Cider, " . . . . | 4 | 16 | | | | 16 |
| Pork, pounds . . . . | 400 | 40 | 500 | 50 | 10 | |
| Soap, " . . . . | 150 | 7 | 100 | 5 | | 2 |
| Ham, " . . . . | 40 | 5 | 50 | 7 | 2 | |
| Fish, " . . . . | 70 | 4 | 80 | 5 | 1 | |
| Lard, " . . . . | 40 | 5 | 50 | 7 | 2 | |
| Butter, " . . . . | 20 | 6 | 50 | 15 | 9 | |
| English hay, tons . . . | 22 | 440 | 65 | 1040 | 600 | |
| Salt hay, black grass, tons | 53 | 530 | 100 | 800 | 270 | |
| Barley fodder, tons . . . | 15 | 150 | 10 | 100 | | 50 |
| Mulch, tons . . . . . | 6 | 30 | 6 | 30 | | |
| Thatch, " . . . . . | 10 | 80 | | | | 80 |
| Straw, " . . . . . | 1 | 15 | 1 | 15 | | |
| Vinegar, gallons . . . | 120 | 18 | 120 | 18 | | |
| Cabbages . . . . . | | 30 | | 30 | | |
| Phosphate . . . . . | | 9 | 2 | 3 | | 6 |
| Grain . . . . . | | 8 | | 30 | 22 | |
| Corn fodder, tons . . . | | | 4 | 20 | 20 | |
| Rowen, tons . . . . . | | | 8 | 80 | 80 | |
| Totals, . . . . . | | $1899 | | $2680 | $1016 | $235 |
| Inventory, Stock, Tools, Etc., | | 4842 | | 4792 | 215 | 265 |
| | | $6741 | | $7472 | $1231 | $500 |
| | | | | 6741 | 500 | |
| | | | | $731 | $731 | |

## Summary of Income and Expenditures at Town Farm for the years 1893, 1894, 1895, 1896, 1897.

| | 1893 | 1894 | 1895 | 1896 | 1897 |
|---|---|---|---|---|---|
| Income, . . . . . | $2938.30 | $3068.02 | $2642.36 | $1772.83 | $2450.68 |
| Expenditures, . . . | 6746.32 | 5393.40 | 3480.73 | 3710.75 | 4078.43 |

# Schools.

Bills allowed for the Manning and common schools during the year 1897.

## Manning School.

Paid

| | |
|---|---|
| Trustees of Manning school as per contract | $1350 00 |

## Teachers.

Paid:

| | |
|---|---|
| Joseph I. Horton | $1300 00 |
| Lucy Hamlin | 600 00 |
| Carrie L. Lakeman | 500 00 |
| Mabelle K. Remick | 312 50 |
| Bertha Crocker | 187 50 |
| M. Elma Smith | 366 25 |
| I. Isabel Arthur | 407 50 |
| Eva M. Purinton | 400 00 |
| E. Mabel Adams | 380 00 |
| Eva A. Willcomb | 373 50 |
| Katherine F. Sullivan | 324 00 |
| Grace E. Smith | 269 25 |
| Kate C. Baker | 370 50 |
| Lucy A. Kimball | 312 00 |
| Mabel R. Willis | 370 50 |
| Annie P. Wade | 312 00 |
| Myrta B. Decatur | 312 00 |
| Harriet D. Condon | 300 00 |
| Cora A. Smith | 200 00 |
| Louise S. Glover | 243 75 |
| Mary A. Perkins | 62 50 |
| Mary E. Archer | 150 00 |

| | | | |
|---|---|---|---|
| Lizzie F. Todd | 297 | 50 | |
| Martha U. Lord | 181 | 25 | |
| Edith F. Perley | 181 | 25 | |
| Edith A. Underhill | 7 | 50 | |
| Cora H. Jewett | 150 | 00 | |
| Laura A. Hubbard | 131 | 25 | |
| Susie L. Kimball | 93 | 75 | |
| | | | $9096 25 |

## Books and Supplies.

Paid:

| | | |
|---|---|---|
| Oliver Ditson Co. | $ 8 | 23 |
| Weeks & Potter Co. | 7 | 07 |
| Thompson, Brown & Co. | 6 | 96 |
| Boston School Supply Co. | 8 | 22 |
| Ginn & Co. | 76 | 85 |
| D. C. Heath & Co. | 61 | 04 |
| J. L. Hammatt Co. | 125 | 41 |
| Edward E. Babb & Co. | 267 | 65 |
| Rand McNally & Co. | 70 | 40 |
| Silver, Burdette & Co. | 16 | 81 |
| Houghton Mifflin & Co. | 35 | 45 |
| Leach, Shewell & Sanborn | 17 | 44 |
| Joseph Gillott & Sons | 20 | 00 |
| American Book Co. | 19 | 45 |
| Burdette College | 12 | 35 |
| George F. King & Co. | 61 | 80 |
| Allyn & Bacon | | 57 |
| Woodsworth Howland Co. | 7 | 65 |
| W. A. Davis & Co. | 6 | 00 |
| Horace A. Brooks | 7 | 00 |
| Hektograph Mfg. Co. | 2 | 50 |
| Henry Whittemore | 1 | 33 |
| J. A. Blake, books, chemicals, etc. | 20 | 73 |
| J. P. Marston, supplies and expenses | 4 | 10 |

| | | |
|---|---|---|
| Chronicle Publishing Co. | 97 90 | |
| Independent Printing Co. | 7 50 | |
| H. D. Condon, paints, brushes, etc. | 8 40 | |
| C. W. Brown, sundry supplies | 90 | |
| | | $ 979 71 |

## Care of School Houses.

Paid:

| | | |
|---|---|---|
| William P. Gould, janitor | $275 00 | |
| William H. Kirk, " | 252 50 | |
| Robert Kinnear, " | 10 00 | |
| George E. Smith, " | 8 00 | |
| Harry H. Cross, " | 12 50 | |
| W. H. Lavalette, " | 10 00 | |
| Charles Bailey, " | 10 00 | |
| Edwin Phillips, " | 10 00 | |
| W. H. Kirk, extra work | 1 40 | |
| Mrs. E. Hurlburt, cleaning | 5 00 | |
| Nellie H. Claxton, " | 3 60 | |
| Bridget Clancey, " | 3 77 | |
| Mrs. S. M. Haskell, " | 4 00 | |
| S. E. Hayes, trimming banks | 2 00 | |
| J. B. Mitchell, cleaning vaults | 28 00 | |
| | | $ 635 77 |

## Fuel.

Paid:

| | | |
|---|---|---|
| J. M. Caldwell & Son, coal | $193 72 | |
| T. B. Fall & Son, " | 144 55 | |
| J. S. Glover, " | 147 13 | |
| Carter Brothers, wood | 62 50 | |
| J. C. Underhill & Son, " | 27 15 | |
| Oliver A. Bailey, " | 15 00 | |
| L. H. Perley, " | 10 00 | |
| Charles M. Perley, " | 7 00 | |

| | | |
|---|---|---|
| Seth Senior, wood | 14 50 | |
| Walter K. Chapman, " | 21 00 | |
| Thomas Traverse, sawing wood, etc. | 2 00 | |
| Lyman H. Perley, " " | 4 00 | |
| H. W. Lavalette, " " | 4 00 | |
| | | $ 652 55 |

## Repairs.

Paid:

| | | |
|---|---|---|
| A. H. Plouff, plumbing and sundry repairs | $ 81 29 | |
| J. M. Dunnels, plumbing and sundry repairs | 3 75 | |
| Foster Russell, labor and stock | 65 29 | |
| Charles Bailey, " | 5 00 | |
| Nathaniel Archer, " | 1 87 | |
| A. W. Gould, " | 3 00 | |
| S. F. Canney, lumber | 40 82 | |
| George Spencer, whitewashing | 4 20 | |
| Austin L. Lord, mason work | 9 10 | |
| G. H. Brocklebank, " " | 11 91 | |
| Charles H. Baxter, painting | 283 55 | |
| J. H. Lakeman, " | 103 71 | |
| Foss & Andrews, " | 23 50 | |
| John W. Goodhue, sundries | 3 20 | |
| C. F. Wilcox, " | 47 | |
| J. A. Swasey, repairing blackboards | 68 00 | |
| C. S. Tyler, repairing clocks | 2 75 | |
| J. F. Wippich, " " | 1 00 | |
| T. F. Cogswell, moulding and shellac | 2 70 | |
| | | $ 715 11 |

## Incidentals.

Paid:

| | | |
|---|---|---|
| Water Department, use of water | $ 127 35 | |
| C. E. Smith, additional compensation for labor on Winthrop schoolhouse | 1000 00 | |
| W. H. Kirk, shoveling snow | 80 | |
| Edw. F. Brown, thermometers | 3 40 | |
| American Express Co | 3 35 | |
| Jackson's Express Co | 21 65 | |
| Tenney's Express | 5 60 | |
| Mallard's Express | 2 90 | |
| J. W. Goodhue, picture frames, sundries | 26 13 | |
| John H. Cogswell, postage | 3 56 | |
| George A. Schofield, stamps | 2 00 | |
| Harriet E. Noyes. bunting | 50 | |
| C. W. Bamford, ribbon | 7 69 | |
| W. S. Russell, " | 1 35 | |
| Geo. S. Perry & Co., brushes | 4 50 | |
| David A. Grady, horse hire | 12 00 | |
| Warren Boynton, " " | 3 00 | |
| G. E. Macarthy, " " fumigating and telegraphing | 9 00 | |
| Charles S. Jewett, grading | 5 00 | |
| A. H. Plouff, duster | 1 00 | |
| Ipswich Gas Light Co., gas | 5 25 | |
| | | $1246 03 |

## Recapitulation.

Appropriations:

| | |
|---|---|
| For Manning and common schools | $13300 00 |
| Received from Mass. School Fund | 180 06 |
| Received from dog licenses | 398 04 |
| Received from scholars [other towns] | 109 41 |
| Received from rent schoolhouse [Grape Island] | 6 00 |

| | | |
|---|---|---|
| Appropriated for extra compensation [C. E. Smith] | 1000 00 | |
| | | $14993 51 |

Expenditures:

| | | |
|---|---|---|
| Paid Trustees Manning school | 1350 00 | |
| Teachers | 9096 25 | |
| Books and supplies | 979 71 | |
| Care of schoolhouses | 635 77 | |
| Fuel | 652 55 | |
| Repairs | 715 11 | |
| Incidentals | 1246 03 | |
| Balance to be carried to 1898 | 318 09 | |
| | | $14993 51 |

# Current Expenses.

## Town House.

Paid:

| | |
|---|---|
| George W. Baker, janitor | $199 92 |
| Ipswich Gas Light Co., gas | 144 60 |
| C. W. Brown, chimneys for footlights | 90 |
| T. B. Fall & Son, coal | 76 77 |
| J. M. Caldwell & Son, " | 30 22 |
| J. S. Glover, " | 13 65 |
| Jeremiah Smith, wood | 12 00 |
| J. K. Chapman, " | 15 00 |
| T. F. Cogswell, insurance | 79 35 |
| J. W. Goodhue, sundries | 6 70 |
| C. F. Wilcox, keys and sundries | 4 08 |
| Thomas E. Condon, sundries | 51 |

| | | |
|---|---|---|
| Isaac Buzzell, trimming banks | 1 00 | |
| C. W. Spiller, " " | 50 | |
| W. Hallam Jr., washing blankets | 3 50 | |
| M. Newman, dust pans, globes, etc | 1 80 | |
| J. M. Dunnels, funnel, grate, labor, etc | 8 85 | |
| J. G. Sperling, repairing flag | 1 75 | |
| W. E. Lord, toilet paper | 6 00 | |
| C. W. Bamford, towels | 1 00 | |
| J. W. Newman, butts | 40 | |
| | | $ 608 50 |

## Improvements.

Paid :

| | | |
|---|---|---|
| Water Department, introducing water | $ 47 70 | |
| A. H. Plouff, plumbing, contract | 208 50 | |
| A. H. Plouff, altering furnace, etc | 42 90 | |
| S. F. Canney, lumber | 60 23 | |
| Henry F. Tonge, carpenter work | 116 62 | |
| C. E. & J. A. Brown, bricks | 6 30 | |
| G. H. Brocklebank, mason work | 40 62 | |
| J. S. Glover, lime, hair and cement | 6 50 | |
| James Graffum, iron work | 2 75 | |
| J. H. Lakeman, painting, etc | 15 50 | |
| J. W. Goodhne, sundries | 11 86 | |
| C. F. Wilcox, sash cord | 1 40 | |
| Wright Brothers, oil stove | 8 00 | |
| Theo. F. Cogswell, shellac, etc | 4 19 | |
| J. M. Dunnels, stock and labor | 17 05 | |
| C. W. Brown, gas fittings and labor | 9 80 | |
| | | $ 599 92 |

## Board of Health.

Paid :

| | | |
|---|---|---|
| Thomas E. Condon, groceries to Eli Leno | $ 6 00 | |
| J. C. Underhill & Son, fuel to Hodgdon | 2 80 | |
| C. Damon & Co., groceries " | 12 89 | |
| George W. Tozer, provisions " | 1 40 | |

| | | |
|---|---|---|
| Thomas Barney, supplies to Jos. Pagane | 5 76 | |
| W. H. Clark, M. D., attendance to Ely and Pagane | 18 00 | |
| C. W. Brown, medicine Pagane | 1 55 | |
| C. H. & J. Price, anti-toxine | 2 65 | |
| S. C. Gordon, milk for month of June | 1 56 | |
| F. T. Goodhue, groceries to Babcock | 15 82 | |
| Dodge & Spiller, sulphur | 50 | |
| George Haskell, fumigating | 10 00 | |
| A. D. Mallard, teaming | 2 75 | |
| George W. Smith, postage | 2 51 | |
| Independent Press, printing regulations, etc | 19 25 | |
| Chronicle Pub. Co., printing notices, etc. | 9 99 | |
| Dexter McIntire, labor | 4 60 | |
| John Doyle, burying dog | 1 00 | |
| J. A. Blake, anti-toxine | 21 75 | |
| George E. Macarthy, M. D., Vallier case | 20 00 | |
| Ebin R. Smith, medicine, " " | 8 85 | |
| | | $ 169 63 |

## Water Department.

Paid:

| | |
|---|---|
| Appropriation for sinking fund and hydrant service | $3775 00 |

## Cemeteries.

Paid:

| | |
|---|---|
| James Griffing, tree | $ 1 00 |
| William B. Richards, pails and barrel | 1 20 |
| Thomas P. Thomas, concreting | 60 00 |
| Barton & Williams, recutting Dennison tablet | 60 80 |
| Barton & Williams, stone [rough] | 7 50 |
| S. F. Canney, lumber | 1 58 |

| | | |
|---|---|---|
| Clarence E. Howe, cedar posts | 5 70 | |
| Austin L. Lord, mason work | 16 76 | |
| J. W. Goodhue, lawn mower, scythe, etc. | 9 76 | |
| J. Stackpole & Sons, fertilizer | 3 40 | |
| W. A. Spiller, biers and repairs | 9 35 | |
| Charles W. Spiller, labor | 21 60 | |
| John R. Patch, " | 22 60 | |
| Sylvester Brown, " | 20 60 | |
| Thomas C. Hill, " | 8 00 | |
| G. A. Pickard, " | 72 10 | |
| C. W. Rogers " | 27 70 | |
| C. H. Baker, " | 3 45 | |
| A. W. Brown, " | 6 50 | |
| James Scott, " | 15 00 | |
| J. B. Kinnear, " | 12 40 | |
| Wm. H. Kirk, " | 11 00 | |
| James Griffing, " | 42 60 | |
| George E. Lord, " | 3 00 | |
| James B. Scott, " | 21 65 | |
| Edmund Ready, " | 16 00 | |
| Luther Lord, " | 105 64 | |
| Luther A. Lord, " | 4 00 | |
| Philip E. Clarke, service and manure | 35 95 | |
| S. N. Baker, service | 10 00 | |
| | | 636 84 |

## Soldiers' Relief.

Paid:

| | |
|---|---|
| North Andover, aid to Mrs. Wm. Lord | $98 07 |
| Maggie Goodwin | 30 00 |
| Lucy S. Kimball | 28 00 |
| David M. Pingree | 18 00 |
| Izannah Graves | 40 00 |
| Frederic Willcomb, rent I. Graves | 40 00 |

| | | |
|---|---|---|
| T. E. Condon, groceries Mary Moore..... | 6 00 | |
| Est. W. G. Brown, rent " " ..... | 30 00 | |
| J. S. Glover, coal Mary Moore..... | 1 60 | |
| Ann Simpkins, nursing Mary Moore..... | 16 00 | |
| A. H. Peatfield, coal S. Sullivan and Mary Moore..... | 4 13 | |
| Carter Brothers, wood S. Sullivan and Mary Moore..... | 8 00 | |
| J. C. Underhill, wood Sarah Sullivan..... | 2 00 | |
| G. G. Bailey, M. D., attendance R. P. Spiller | 57 00 | |
| W. E. Garrette, watching " | 4 50 | |
| Georgia A. Harris, nursing " | 38 16 | |
| W. O. Conant, watching " | 3 75 | |
| Walter Frost, " " | 3 75 | |
| Philip E. Clark, burial indigent soldiers..... | 70 00 | |
| W. E. Tucker, M. D., attendance Mary Moore..... | 16 00 | |
| | ——— | $514 96 |

## Incidentals.

Paid:

| | | |
|---|---|---|
| George W. Baker, meals for prisoners.....$ | 45 90 | |
| George W. Baker, labor on booths and repairs..... | 5 20 | |
| Walter Sheppard, ringing bell..... | 49 10 | |
| J. W. Wheeler & Co., sacking for cells..... | 3 00 | |
| G. F. King, book for pay roll..... | 9 50 | |
| G. F. King, book for clerk..... | 6 75 | |
| G. F. King, paper for clerk..... | 3 00 | |
| G. A. Schofield, stamps..... | 15 00 | |
| Chronicle Pub. Co., ballots..... | 25 00 | |

| | | |
|---|---|---|
| Chronicle Pub. Co., voting lists | 24 | 00 |
| Chronicle Pub. Co., assessors' lists | 29 | 00 |
| Chronicle Pub. Co., tax bills | 11 | 00 |
| Chronicle Pub. Co., registrars' notices | 17 | 00 |
| Chronicle Pub. Co., envelopes and notices | 7 | 00 |
| Independent Press, printing reports | 100 | 30 |
| Independent Press, tax envelopes | 14 | 00 |
| Independent Press, warrants | 3 | 50 |
| Independent Press, registrars and other notices | 13 | 75 |
| H. A Brooks, binding reports | 26 | 00 |
| H. A. Brooks, express reports | | 75 |
| A. D. Mallard, distributing reports | 16 | 60 |
| American Express, bringing reports | 2 | 70 |
| American Express | 2 | 20 |
| C. W. Bamford, book, paper, etc | 4 | 70 |
| Luther Wait, service Hamilton boundary | 5 | 00 |
| Luther Wait, expense clam hearings | 2 | 50 |
| Luther Wait, expense selectmen, [Essex Flats] | 3 | 00 |
| Luther Wait, expense Garrette trial | 3 | 50 |
| Luther Wait, expense assessors to Island | 2 | 00 |
| Luther Wait, taking census | 15 | 00 |
| John A. Brown, taking census | 15 | 00 |
| D. S. Appleton, taking census | 15 | 00 |
| D. S. Appleton, inspector cattle, etc | 98 | 69 |
| B. & M. Railroad, mileage book | 20 | 00 |
| Jackson's Express | 2 | 25 |
| Ebin R. Smith, sundries | 2 | 40 |
| David Hinckley, meals for registrars and election officers | 6 | 00 |
| James Scott, labor at hay scales | 4 | 00 |
| W. A. Snow, settees for commons | 104 | 00 |
| B. & M. R. R., freight on settees | 4 | 83 |

| | | |
|---|---|---|
| Isaac Buzzell, care of trees | 60 | 00 |
| J. W. Goodhue, sundries | 5 | 45 |
| Post 128, G. A. R., Memorial day | 150 | 00 |
| Michael Reddy, sodding in square | 38 | 25 |
| John H. Cogswell, taking school census | 20 | 00 |
| P. B. Murphy, assessors' books, etc | 5 | 84 |
| Barton & Williams, labor at monument | 15 | 45 |
| C. F. Wilcox, painting fountain | 1 | 00 |
| D. A. Grady, horse hire | 9 | 00 |
| Warren Boynton, horse hire | 2 | 75 |
| M. R. Warren, collector's book and blanks | 1 | 28 |
| T. E. Condon, stamps and stationery | 31 | 75 |
| C. W. Spiller, care of commons | 50 | 00 |
| Benjamin Fewkes, care of mounds | 86 | 00 |
| Levi W. Mallard, watering mounds, etc | 20 | 00 |
| Brackett Bros., rent of land for pound | 5 | 00 |
| J. E. Houlding, teaming | 2 | 75 |
| J. Thibedeau, trimming trees | 6 | 75 |
| J. B. Scott, trimming trees | 5 | 40 |
| Edward Dole, inspector cattle, etc | 79 | 47 |
| Hallett Dole, inspector, assistant | 5 | 10 |
| J. M. Dunnels, hose for common | 6 | 00 |
| J. M. Dunnels, dippers, labor, etc. at fountain and pump on High street | 2 | 30 |
| Lewis E. Willcomb, weigh book | 1 | 15 |
| J. H. Lakeman, lettering signs | 2 | 60 |
| Nathaniel Archer, registrars' boards | 2 | 03 |
| S. F. Canney, assessors' boards | 1 | 20 |
| S. F. Canney, lumber for buoys | | 99 |
| W. F. Brocklebank, care of buoys | 20 | 00 |
| E. N. Brown, labor on boundary stones | 8 | 00 |
| Barton & Williams, lettering boundary stones | 1 | 30 |
| Clarence E. Grant, labor Essex line | 1 | 75 |

| | | |
|---|---|---|
| J. D. Farley, check punch, treasurer..... | 5 00 | |
| C. H. Hare, dinners, Pearl and Wait, Garrette case..... | 1 00 | |
| Arthur Kemble, M. D., witness Garrette case..... | 50 00 | |
| A. H. Spiller, witness Garrette case..... | 4 00 | |
| W. A. Stone, " " " ..... | 4 00 | |
| T. R. Lord, " " " ..... | 4 00 | |
| J. Sheppard & Son, witness Garrette case | 8 00 | |
| D. G. Chapman, " " " | 4 00 | |
| C. H. Ricker, " " " | 6 80 | |
| G. R. Hardy, " " " | 4 00 | |
| F. L. Frost, " " " | 2 80 | |
| J. W. Nourse, " " " | 6 78 | |
| J. W. Nourse, " Grant case... | 2 78 | |
| J. W. Nourse, locating Essex line..... | 8 00 | |
| J. A. Blake, use of telephone..... | 12 55 | |
| J. A. Blake, sundries..... | 5 00 | |
| F. R. Hull, printing summonses..... | 1 00 | |
| J. F. Wippich, care of clock and repairs... | 21 00 | |
| George W. Spiller, painting sign..... | 1 15 | |
| | | $1538 54 |

## Recapitulation.

Appropriations:

| | | |
|---|---|---|
| Current expenses..... | $3000 00 | |
| Water department..... | 3775 00 | |
| Memorial day..... | 150 00 | |
| Cemeteries..... | 600 00 | |
| Commons..... | 150 00 | |
| Improvements at Town House..... | 600 00 | |
| | | $8275 00 |

Expenditures:

| | | |
|---|---|---|
| Town Hall | $ 608 50 | |
| Town Hall improvements | 599 92 | |
| Board of Health | 169 63 | |
| Water department | 3775 00 | |
| Cemeteries | 636 84 | |
| Soldiers' relief | 514 96 | |
| Incidentals | 1538 54 | |
| Balance to be carried to 1898 | 431 61 | |
| | | $8275 00 |

# Street Lamps.

Paid:

| | | |
|---|---|---|
| John Duprey, care of lights | $200 00 | |
| W. P. Pickard, " " | 200 00 | |
| J. A. Lord, " " | 150 00 | |
| Ipswich Gas Co., gas | 307 15 | |
| Dodge & Spiller, oil, chimneys, etc | 375 15 | |
| C. W. Brown, mantles, etc | 67 40 | |
| E. S. Greenleaf, paint and labor [1894] | 3 62 | |
| J. W. Goodhue, setting glass and sundries | 16 67 | |
| M. Nolan, repairing irons | 50 | |
| J. M. Dunnels, lanterns and repairs | 23 15 | |
| Foster Russell, setting posts, etc | 17 25 | |
| | | $1360 89 |

## Recapitulation.

| | | |
|---|---|---|
| Appropriation | | $1500 00 |
| Bills paid | $1360 89 | |
| Balance to be carried to 1898 | 139 11 | |
| | | $1500 00 |

# Fees and Salaries.

Paid:

| | | |
|---|---|---|
| A. H. Spiller, selectman balance of salary | $ 12 50 | |
| Luther Wait, " " " | 150 00 | |
| John A. Brown, " " " | 57 34 | |
| Walter E. Lord, " " " | 75 00 | |
| | | $ 294 84 |
| Frederic Willcomb, assessor balance of salary | 37 50 | |
| Luther Wait, assessor, salary | 150 00 | |
| John A. Brown, " " | 57 33 | |
| D. S. Appleton, " " | 62 50 | |
| | | 307 33 |
| Luther Wait, overseer of the poor, salary | 150 00 | |
| John A. Brown, overseer of the poor, salary | 57 33 | |
| Charles S. Cummings, overseer of the poor salary | 75 00 | |
| | | 282 33 |
| Charles W. Bamford, town clerk, salary | | 150 00 |
| Thomas E. Condon, treasurer and collector, salary | | 600 00 |
| John W. Nourse, school committee, balance of salary | 11 75 | |
| George E. Macarthy, M. D., school committee | 76 16 | |
| Charles W. Bamford, school committee | 42 50 | |
| John H. Cogswell, " " | 95 00 | |
| Harriet E. Noyes, " " | 40 00 | |
| Charles S. Cummings, " " | 39 95 | |
| | | 305 36 |

| | | |
|---|---|---|
| John H. Cogswell, purchasing agent..... | | 75 00 |
| Charles W. Bamford, registrar of voters | 30 00 | |
| J. Farley Kinsman, " " | 20 00 | |
| Charles H. Glazier, " " | 20 00 | |
| Warren Boynton, " " | 20 00 | |
| | | 90 00 |
| Henry F. Dunnels, auditor, salary..... | | 50 00 |
| Charles T. Littlefield, police..... | 288 00 | |
| Frank B. Page, " ..... | 278 00 | |
| Charles H. Rollins, " ..... | 146 50 | |
| W. H. Brocklebank, " ..... | 407 75 | |
| Frank C. Hull, " ..... | 293 50 | |
| James A. Lord, " ..... | 28 50 | |
| Nathaniel H. Lord, " ..... | 9 75 | |
| Charles M. Jewett, " ..... | 9 00 | |
| George W. Baker, " ..... | 2 00 | |
| A. S. Garland, " ..... | 33 05 | |
| | | 1496 05 |
| F. B. Page, constable, notifying town officers..... | 4 50 | |
| W. H. Brocklebank, constable, posting warrant..... | 5 00 | |
| | | 9 50 |
| James Griffing, board of health..... | 50 00 | |
| George W. Smith, " " ..... | 50 00 | |
| Levi W. Mallard, " " ..... | 50 00 | |
| | | 150 00 |
| F. B Page, truant officer..... | 10 00 | |
| C. S. Cummings, truant officer..... | 10 00 | |
| | | 20 00 |
| John W. Nourse, teller..... | 5 00 | |
| Wm. H. Roberts, " ..... | 10 00 | |
| Fred F. Byron, " ..... | 5 00 | |
| George H. W. Hayes, " ..... | 5 00 | |

| | | | |
|---|---|---|---|
| James Graffum, | " | 5 00 | |
| John E. Norman, | " | 5 00 | |
| John L. Russell, | " | 5 00 | |
| James E. Gallagher, | " | 5 00 | |
| Chas. S. Tyler, | " | 5 00 | |
| Chas. W. Woodbury, | " | 10 00 | |
| Chas. S. Willcomb, | " | 10 00 | |
| H. Arthur Russell, | " | 5 00 | |
| James M. Reilley, | " | 5 00 | |
| Lewis D. Pickard, | " | 5 00 | |
| Val. E. Rust, | " | 5 00 | |
| Howard S. Hills, | " | 5 00 | |
| Lyman H. Daniels, | " | 5 00 | |
| Harry C. Copp, | " | 5 00 | |
| Arthur F. Tilton, | " | 5 00 | |
| W. B. Atkinson, | " | 5 00 | |
| A. H. Peatfield, | " | 5 00 | |
| | | | 120 00 |
| Nathaniel Archer, ballot clerk | | 10 00 | |
| George W. Baker, keeper of lockup | | | 49 92 |
| Nathaniel Shatswell, moderator | | | 10 00 |
| C. W. Bamford, recording births, marriages and deaths | | 73 00 | |
| G. E. Macarthy, M. D., returning births | | 7 75 | |
| C. E. Ames, M. D., | " " | 3 75 | |
| W. E. Tucker, M. D., | " " | 15 75 | |
| | | | 100 25 |
| George Haskell, returning deaths | | 10 25 | |
| P. E. Clarke, | " " | 38 50 | |
| | | | 48 75 |
| Total expenditures | | | $4169 33 |

## Recapitulation.

| | | |
|---|---|---|
| Appropriations | | $4500 00 |
| Bills paid | $4169 33 | |
| Balance to be carried to 1898 | 330 67 | |
| | | $4500 00 |

# Fire Department.

Paid:

| | |
|---|---|
| Engineers of fire department | $ 90 00 |
| Masconomet Steamer Co | 225 00 |
| Gen. Sutton Hook & Ladder Co | 300 00 |
| Neptune Hose Co | 180 00 |
| Torrent Engine Co | 120 00 |
| A. D. Mallard, steward | 30 00 |
| Henry Stevens, " | 20 00 |
| J. R. Richards, " | 10 00 |
| C. W. Canney, engineer of steamer | 10 00 |
| John E. Norman, stoker | 4 00 |
| E. N. Brown, fuel, oil, etc | 7 50 |
| T. B. Fall & Son, coal | 24 49 |
| H. H. Easterbrook, book | 1 00 |
| Carter Bros., wood | 2 00 |
| Millett, Woodbury & Co., use of whistle | 16 00 |
| Ebin R. Smith, telegram | 25 |
| S. F. Canney, lumber | 41 45 |
| Foster Russell, labor on repairs | 20 54 |
| Reuben Andrews, painting | 6 50 |
| M. Newman, wash bowl, pipe and labor | 5 73 |

| | | |
|---|---|---|
| Jackson Express Co. | | 65 |
| C. F. Wilcox, bronze knob | | 50 |
| La France Fire Engine Co., repairs on steamer | 143 | 61 |
| American Express Co. | 5 | 80 |
| A. C. Damon, curtains | 2 | 00 |
| Willett Holland, service on steam r | 6 | 25 |
| M. Nolan, irons, hooks and repairs | 4 | 50 |
| J. W. Goodhue, sundries | 7 | 54 |
| Curtis Damon & Co , broom | | 35 |
| A. P. Hills, globes, oil, etc | 2 | 00 |
| W. B. Richards, sundries | 1 | 04 |
| A. D. Mallard, sundry jobs | 6 | 40 |
| James Graffum, repairs | 1 | 50 |
| D. A. Grady, teaming | 2 | 00 |
| J. H. Baker, shoveling snow | | 50 |
| J. H. Baker, watching July 4th | 2 | 00 |
| Henry Stevens, watching July 4th | 2 | 00 |
| Fred W. Russell, labor Whittier's fire | | 75 |
| George Hills, " forest fire | | 50 |
| Jesse Brown, " " " | | 50 |
| Elmer Wiley, team and labor forest fire | 1 | 50 |
| C. E. Goodhue, " " " | | 75 |
| J. W. Patterson, " " " | | 50 |
| H. A. Russell, " " " | | 50 |
| J. M. Caldwell, " " " " | 1 | 25 |
| Charles Bailey, " " " | | 25 |
| J. W. Nourse, " " " | | 25 |
| Henry Ricker, " " " | | 25 |
| Charles V. Hills, " " " | | 50 |
| Albert Norwood, " " " | | 25 |
| C. T. Gwinn, " | 1 | 00 |
| H. A. Russell, " | 1 | 50 |
| Thomas H. Lord, oil, shovel, etc | 4 | 42 |

| | | |
|---|---|---|
| Sherburne & Co., waste | 1 10 | |
| A. H. Plouff, sundries and repairs | 1 56 | |
| Nathaniel Archer, repairs | 50 | |
| | | $1320 93 |
| Appropriations | 1200 00 | |
| Balance being expense in excess of appropriation | 120 93 | |
| | | $1320 93 |

# Highways and Bridges.

## District No. 1.

JOSEPH A. HUCKINS, Surveyor.

Paid:

| | |
|---|---|
| S. F. Canney, lumber | $ 18 97 |
| Barton & Williams, stone posts | 3 30 |
| Harry B. Brown, gravel | 5 90 |
| Albert S. Brown, " | 64 06 |
| Anderson & Brown, " | 18 10 |
| Est. W. G. Brown, " | 2 70 |
| Est. W. G. Brown, use of cart | 3 50 |
| John A. Brown, " " | 4 00 |
| E. F. Akerman, sharpening picks, etc | 2 75 |
| F. B. Page, " " | 20 |
| M. Nolan, " " " | 8 85 |
| Wright Brothers, sundries | 60 |
| J. W. Goodhue, " | 2 22 |
| Fred A. Carter, labor | 23 50 |
| Chester Caverly, " | 1 30 |

| | | | |
|---|---|---|---|
| Alfred Young, | labor | 1 | 80 |
| Jeremiah Sullivan, | " | 37 | 20 |
| Nathaniel Rust, | " | 11 | 00 |
| James A. Morey, | " | 1 | 80 |
| Frank A. Ross, | " | 4 | 00 |
| John H. Baker, | " | 24 | 90 |
| William Girard, | " | 20 | 80 |
| David A. Grady, | " | 4 | 50 |
| Eugene Girard, | " | 21 | 20 |
| Charles W. Spiller, | " | 4 | 00 |
| Edward Davis, | " | 11 | 50 |
| Harry Girard, | " | 8 | 00 |
| James B. Scott, | " | 9 | 70 |
| Edw. A. Spiller, | " | 4 | 00 |
| Charles S. Jewett, | " | 18 | 00 |
| S. J. Wakeham, | " | 33 | 20 |
| Enos Titus, | " | 4 | 00 |
| John A. Doyle, | " | 4 | 00 |
| Joseph Hills, | " | 3 | 00 |
| John R. Patch, | " | 6 | 00 |
| John Pear, | " | 3 | 00 |
| Dexter McIntyre, | " | 5 | 00 |
| Ward F. Kenney, | " | 11 | 90 |
| James McLaughlin, | " | 6 | 80 |
| Arthur W. Conant, | " | 45 | 70 |
| John M. Caldwell, | " | 15 | 00 |
| Erastus Clark, | " | 15 | 00 |
| Elmer H. Wiley, | " | 9 | 00 |
| John T. Harris, | " | 2 | 50 |
| Alonzo Brown, | " | 1 | 00 |
| Charles W. Smith, | " | 35 | 00 |
| William E. Barton, | " | 8 | 00 |
| Leander Jewett, | " | 5 | 00 |
| Levi L. Howe, | " | 4 | 00 |

| | | |
|---|---|---|
| Charles W. Rogers, labor | 8 00 | |
| Frank T. Goodhue, " | 1 60 | |
| James Scott, " | 27 70 | |
| J. P. Doyle, " | 14 00 | |
| G. A. Pickard, " | 2 00 | |
| Everett Whitman, " | 4 60 | |
| David Johnson, " | 2 80 | |
| Edward Bodwell, " | 2 00 | |
| George Brown, " | 3 40 | |
| W. H. Burnham, " | 3 80 | |
| Dennis Minnehan Jr., " | 3 20 | |
| Edmund Ready, " | 5 20 | |
| Michael Young, " | 16 60 | |
| Michael Reddy, " | 3 21 | |
| George W. Scott, " | 2 46 | |
| Thomas Shaw, " | 12 00 | |
| A. W. Brown, " | 1 00 | |
| Ambrose Young, " | 50 | |
| Amos Parsons, " | 1 50 | |
| | | $ 675 02 |

## District No. 2.

NATHANIEL T. LOW, Surveyor.

Paid:

| | | |
|---|---|---|
| Albert S. Brown, gravel | $ 14 10 | |
| A. B. Clark, " | 13 40 | |
| S. F. Canney, lumber | 4 48 | |
| M. Nolan, sharpening picks, etc | 45 | |
| Edw. A. Spiller, labor | 20 60 | |
| Nathaniel T. Low, " | 97 35 | |
| W. F. Brocklebank, " | 4 00 | |
| Arthur Montgomery, " | 4 00 | |

| | | | |
|---|---|---|---|
| Henry A. Churchill, | labor | 3 00 | |
| Charles S. Jewett, | " | 11 60 | |
| Jere. Brocklebank, | " | 14 10 | |
| Tristam B. Falls, | " | 29 00 | |
| William P. Ross, | " | 22 50 | |
| George A. Hodgdon, | " | 31 50 | |
| Arthur W. Conant, | " | 2 00 | |
| John Rollins, | " | 2 00 | |
| James Scott, | " | 1 00 | |
| George Dort, | " | 2 00 | |
| Albert Cox, | " | 2 00 | |
| Silas Crooker, | " | 7 60 | |
| Walter Scott, | " | 1 80 | |
| | | | $ 288 48 |

## District No. 3.

ALLAN W. BROWN, Surveyor.

Paid:

| | | |
|---|---|---|
| Albert S. Brown, | gravel | $ 6 88 |
| Edw. F. Brown, | " | 2 60 |
| S. F. Canney, | lumber | 5 40 |
| F. T. Goodhue, | shovels | 1 00 |
| J. W. Goodhue, | sundries | 24 |
| Charles Rollins, | setting stone | 2 00 |
| Charles Rollins, | labor | 3 00 |
| Herbert Witham, | " | 11 60 |
| Daniel Witham, | " | 1 80 |
| John Cronin, | " | 9 00 |
| George W. Plouff, | " | 3 60 |
| Alfred Barton, | " | 9 00 |
| Edmund Ready, | " | 21 80 |
| James H. Hull, Jr., | " | 6 40 |

| | | | |
|---|---|---|---|
| James H. Hull, | labor | 1 00 | |
| John Pear, | " | 2 80 | |
| A. W. Brown, | " | 123 70 | |
| Town Team, | " | 1 50 | |
| John T. Harris, | " | 12 50 | |
| Charles W. Smith, | " | 9 00 | |
| Wm. E Barton, | " | 3 80 | |
| Clarence Grant, | " | 3 80 | |
| Leander Jewett, | " | 3 80 | |
| Isaac Foss, | " | 7 00 | |
| Jeremiah Sullivan, | " | 17 60 | |
| Albert Jodrey, | " | 3 00 | |
| John Doyle, | " | 1 80 | |
| Michael Young, | " | 1 80 | |
| Gustavus Kinsman, | " | 7 00 | |
| John Dorr, | " | 2 00 | |
| Carter Brothers, | grinding axes | 1 00 | |
| | | | $ 287 42 |

## District No. 4.

JOHN GALBRAITH, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| Albert S. Brown, | gravel | $ 3 10 | |
| Augustine Stone, | " | 5 10 | |
| Albert Burnham, | " | 2 00 | |
| Frank Sheehan, | labor | 5 00 | |
| J. F. Kinsman, | " | 30 80 | |
| Horace Brown, | " | 12 50 | |
| Alden Story, | " | 22 80 | |
| John Galbraith, | " | 49 95 | |
| Augustine Stone, | " | 21 00 | |
| John Galbraith, | incidentals | 1 00 | |
| | | | 153 25 |

## District. No 5.

EVERETT K. BROWN, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| Asa R. Brown, | gravel | $ 15 00 | |
| Asa R. Brown, | labor | 7 00 | |
| John B. Caverly, | " | 19 00 | |
| Everett K. Brown, | " | 23 80 | |
| Frank Smith, | " | 14 00 | |
| George Woodbury, | " | 15 00 | |
| George E. Smith, | " | 13 30 | |
| Herman H. Story, | " | 14 00 | |
| Edgar Story, | " | 2 00 | |
| John B. Brown, | " | 15 00 | |
| Charles Patch, | " | 1 50 | |
| | | | $ 139 60 |

## District No. 6.

J. WALLACE CARLISLE, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| J. Wallace Carlisle, | gravel | $ 19 80 | |
| J. Wallace Carlisle, | labor | 45 00 | |
| T. Morley Norman, | " | 37 00 | |
| Wm. G. Horton, | " | 18 00 | |
| Eben Moulton, | " | 21 00 | |
| W. F. Kinsman, | " | 18 00 | |
| Charles G. Brown, | " | 10 00 | |
| Samuel Gordon, Jr., | " | 4 40 | |
| | | | $ 173 20 |

## District No. 7.

E. Newton Brown, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| E. Newton Brown, | gravel | $ 30 30 | |
| E. Newton Brown, | labor | 40 60 | |
| A. Story Brown, | " | 43 20 | |
| Fred G. Cross, | " | 34 80 | |
| B. R. Horton, | " | 25 90 | |
| | | | $ 174 80 |

## District No. 8.

John M. Fall, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| John H. Brown, | labor | $ 19 30 | |
| Daniel H. Appleton, | " | 12 00 | |
| Ralph Haskell, | " | 9 00 | |
| Raymond A. Lord, | " | 8 25 | |
| Wm. B. Sturgis, | " | 10 60 | |
| John M. Fall, | " | 36 80 | |
| A. B. Fellows, | " | 14 50 | |
| George Tibbetts, | " | 1 00 | |
| Daniel W. Appleton, | " | 1 00 | |
| | | | $ 112 45 |

## District No. 9.

Joseph R. Wilson, Surveyor.

Paid:

| | | |
|---|---|---|
| Albert S. Brown, | gravel | $ 9 00 |
| Albert S. Brown, | labor | 47 60 |
| Joseph R. Wilson, | " | 98 35 |

| | | | |
|---|---|---|---|
| Aaron Lord, | " | 54 50 | |
| Wm. B. Sturgis, | " | 10 60 | |
| Asa Burnham, | " | 10 50 | |
| Isaac Buzzell, | " | 10 00 | |
| Edmund Ready, | " | 17 00 | |
| David Lowe, | " | 5 40 | |
| | | | $ 262 95 |

## District No. 10.

WILLIAM F. WARNER, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| William F. Warner, | gravel | $ 4 00 | |
| Eugene Sullivan, | " | 14 00 | |
| Erastus Clark, | " | 12 00 | |
| William F. Warner, | labor | 115 83 | |
| William Goodhue, | " | 25 30 | |
| Eugene Sullivan, | " | 22 40 | |
| Charles Steele, | " | 5 40 | |
| Seth Senior, | " | 14 97 | |
| Eben Hurlburt, | " | 8 20 | |
| John M. Purinton, | " | 22 90 | |
| Michael Driscoll, | " | 9 00 | |
| Thomas Boylan, | " | 10 82 | |
| Austin Morse, | " | 9 48 | |
| Frank Phillips, | " | 9 00 | |
| Peter Quill, | " | 14 40 | |
| W. B. Andrews, | " | 3 30 | |
| G. Bradford, | " | 2 00 | |
| | | | $ 303 00 |

# District No. 11.

THOMAS R. LORD, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| N. R. Underhill, | gravel | $ 10 | 40 |
| T. L. Gwinn, | " | 7 | 10 |
| S. F. Canney, | lumber | 3 | 91 |
| Thomas R. Lord, | labor | 30 | 75 |
| Fred A. Carter, | " | 2 | 00 |
| James Sheppard, | " | 17 | 50 |
| Fred Sheppard, | " | 5 | 20 |
| W. F. Burnham, | " | 13 | 40 |
| Dexter McIntyre, | " | 5 | 20 |
| W. F. Ellsworth, | " | 11 | 60 |
| Philip Kimball, | " | 6 | 20 |
| Joseph Leno, | " | 4 | 00 |
| Thomas A. Howe, | " | 1 | 80 |
| N. R. Underhill, | " | 15 | 00 |
| W. K. Chapman, | " | 10 | 00 |
| T. L. Gwinn, | " | 9 | 00 |
| E. S. Greenleaf, | " | 11 | 00 |
| Eben Lord, | " | 8 | 00 |
| James W. Burns, | " | 4 | 00 |
| Thomas Marriott, | " | 4 | 00 |
| George W. Gwinn, | " | 4 | 00 |
| D. G. Chapman, | " | 5 | 00 |
| A. H. Rutherford, | " | 1 | 80 |
| Dennis Bryant, | " | 4 | 50 |
| Spencer Gwinn, | " | 1 | 00 |
| | | | $196 36 |

## District No. 12.

J. Coggin Conant, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| Andrew J. Phillips, | gravel | $ 4 32 | |
| C. R. Titcomb, | " | 9 84 | |
| W. H. Lavalette, | labor | 22 00 | |
| Moses G. Phillips, | " | 7 20 | |
| George H. Philips, | " | 5 25 | |
| A. J. Phillips, | " | 7 82 | |
| D. G. Chapman, | " | 31 20 | |
| W. C. Frost, | " | 6 20 | |
| C. W. Conant, | " | 13 81 | |
| W. O. Conant, | " | 22 00 | |
| J. C. Conant, | " | 42 40 | |
| J. S. Spiller, | " | 3 00 | |
| | | | $ 175 04 |

## District No. 13.

James Kinnear, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| James Kinnear, | gravel | $ 12 96 | |
| Frank Frost, | grate | 1 20 | |
| James Kinnear, | labor | 33 60 | |
| Thomas Kinnear, | " | 14 00 | |
| Walter Farnum, | " | 3 50 | |
| D. S. Perley, | " | 18 00 | |
| Lewis R. Stone, | " | 8 20 | |
| Alvin Guilford, | " | 8 20 | |
| Nathaniel Foster, | " | 80 | |
| | | | $ 100 46 |

## District No. 14.

CHARLES M. PERLEY, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| Abel S. Howe, | gravel | $ 4 90 | |
| Geo. K. Farnum, | " | 5 40 | |
| C. E. Howe, | labor | 17 50 | |
| A. S. Howe, | " | 3 30 | |
| G. K. Farnum, | " | 5 00 | |
| L. H. Perley, | " | 3 00 | |
| Benj. Melvin, | " | 8 00 | |
| C. M. Perley, | " | 52 64 | |
| | | | $ 99 74 |

## District No. 15.

JOHN ALLEN SMITH, Surveyor.

Paid:

| | | | |
|---|---|---|---|
| Edward Dole, | gravel | $ 16 60 | |
| N. R. Underhill, | " | 1 00 | |
| Eugene Sullivan, | " | 20 | |
| J. W. Nourse, | " | 30 | |
| Agawam Land Co., | " | 1 10 | |
| S. F. Canney, | lumber | 3 30 | |
| John A. Smith, | labor | 112 00 | |
| Edward Smith, | " | 16 40 | |
| Frank Bodwell, | " | 12 40 | |
| Charles Jewett, | " | 15 00 | |
| John A. Brown, | " | 10 00 | |
| Fred Chaput, | " | 4 00 | |
| Joseph Chaput, | " | 8 00 | |
| George E. Lord, | " | 6 00 | |
| Edward Bodwell, | " | 10 00 | |
| William Ready, | " | 1 80 | |
| | | | $ 218 10 |

## District No. 16.

DANIEL S. APPLETON, Surveyor.

Paid :

| | | | |
|---|---|---|---|
| John W. Nourse, gravel | | $ 10 50 | |
| S. F. Canney, lumber | | 2 42 | |
| J. W. Goodhue, spikes | | 09 | |
| George B. Brown, | labor | 15 00 | |
| Charles Jewett, | " | 15 75 | |
| John Bradstreet, | " | 10 00 | |
| A. H. Rutherford, | " | 6 00 | |
| Albert Goodwin, | " | 12 00 | |
| Alexander Hirtle, | " | 12 40 | |
| Charles Bailey, | " | 10 90 | |
| D. S. Appleton, | " | 25 00 | |
| J. A. Smith, | " | 11 50 | |
| Daniel Donahue, | " | 3 00 | |
| Thomas Donahue, | " | 2 00 | |
| Joseph Hirtle, | " | 1 80 | |
| A. W. Brown, | " | 7 50 | |
| W. D. Skinner, | " | 3 60 | |
| | | | $ 149 46 |

## Town Team.

JOSEPH A. HUCKINS, Driver.

Paid

| | | |
|---|---|---|
| Joseph A. Huckins, driver | | $600 00 |
| J. W. A. Hayes, grain | | 30 88 |
| George B. Brown, | " | 44 62 |
| Paul R. Eames, | " | 10 40 |
| J. C. Underhill, | " and hay | 16 10 |
| Alden Story, | hay | 24 95 |
| George Harris, | " | 24 40 |

| | | |
|---|---|---|
| N. R. Underhill, hay | 32 90 | |
| A. C. Damon, straw | 8 40 | |
| M. Nolan, shoeing and repairs | 29 80 | |
| E. L. Irving, sundries and repairs | 17 15 | |
| C. F. Chapman, sundries and repairs | 6 90 | |
| J. W. Goodhue, sundries | 11 18 | |
| Curtis Damon & Co., sundries | 1 15 | |
| Foster Russell, repairs | 2 45 | |
| J. A. Blake, medicine, etc | 13 40 | |
| E. R. Smith, witch hazel | 1 70 | |
| E. F. Manning, fixing teeth | 2 00 | |
| J. H. Lakeman, paint and labor | 4 25 | |
| J. M. Caldwell & Son, coal | 6 40 | |
| F. B. Page, repairs | 4 60 | |
| W. A. Spiller, repairs | 1 75 | |
| | | $ 895 38 |

## Argilla Road.

Paid:

| | | |
|---|---|---|
| John C. Low, contract | $227 85 | |
| Allan W. Brown, " | 243 29 | |
| John H. Baker, labor | 110 00 | |
| | | $ 581 14 |

## Gould's Bridge.

Paid:

| | | |
|---|---|---|
| Edward W. Choate, timber | $ 30 24 | |
| Edward W. Choate, labor | 20 52 | |
| C. E. & J. A. Brown, plank | 52 80 | |
| John W. Goodhue, nails | 88 | |
| | | $ 104 44 |

## Mineral Street Bridge.

Paid:

| | | |
|---|---|---|
| Charles H. Rollins, labor | | 78 00 |

## Edgestones and Concrete.

Paid:

| | | |
|---|---|---|
| Barton & Williams, edgestones | $417 67 | |
| Thomas P. Thomas, concreting | 636 50 | |
| | | $1054 17 |

## Miscellaneous Jobs.

Paid:

| | | |
|---|---|---|
| J. Albert Smith, repairs on machine | $ 3 85 | |
| Geo. H. Brocklebank, building catch basin | 5 16 | |
| C. E. & J. A. Brown, bricks | 6 52 | |
| John S. Glover, cement | 1 40 | |
| Theo. F. Cogswell, sewer pipe | 16 33 | |
| J. A. Smith, building railing | 2 50 | |
| A. W. Conant, cleaning sewer | 3 00 | |
| C. H. Rollins, resetting edgestones | 17 50 | |
| Wright Bros., lantern and globes | 81 | |
| John W. Nourse, plans, estimates, etc | 14 00 | |
| C. H. Rollins, removing tree, etc | 46 00 | |
| F. B. Page, repairs and circle for tree | 5 00 | |
| W. A. Spiller, repairs on plow, etc | 5 20 | |
| C. E. Smith, repairs on C. A. Sayward's fence | 6 78 | |
| S. F. Foss, painting | 1 00 | |
| | | $ 135 05 |

# Recapitulation,

Expenditures:

| | | |
|---|---|---|
| District No. 1 | $ 675 02 | |
| District No. 2 | 288 48 | |
| District No. 3 | 287 42 | |
| District No. 4 | 153 25 | |
| District No. 5 | 139 60 | |
| District No. 6 | 173 20 | |
| District No. 7 | 174 80 | |
| District No. 8 | 112 45 | |
| District No. 9 | 262 95 | |
| District No. 10 | 303 00 | |
| District No. 11 | 196 36 | |
| District No. 12 | 175 04 | |
| District No. 13 | 100 46 | |
| District No. 14 | 99 74 | |
| District No. 15 | 218 10 | |
| District No. 16 | 149 46 | |
| Town team | 895 38 | |
| Argilla road | 581 14 | |
| Gould's bridge | 104 44 | |
| Mineral street bridge | 78 00 | |
| Edgestones and concrete | 1054 17 | |
| Miscellaneous jobs | 135 05 | |
| | | $6357 51 |

Receipts:

| | | |
|---|---|---|
| Highway appropriation | $7000 00 | |
| Edgestones and concrete | 1000 00 | |
| Argilla road | 500 00 | |
| Mineral street | 100 00 | |
| Electric road | 18 40 | |
| Reimbursed for edgestones and concrete | 174 05 | |
| Dirt from highway | 1 60 | |
| | | $8794 05 |
| Balance for snow account | | $2436 54 |

# Snow Account.

## District No. 1.

| Paid | | | |
|---|---|---|---|
| John H. Baker, | labor | $ 14 | 80 |
| S. J. Wakeham, | " | 11 | 80 |
| James A. Morey, | " | 9 | 00 |
| John H. Laffy, | " | 8 | 60 |
| Warren Perrigo, | " | | 80 |
| Est. W. G. Brown, | " | 20 | 60 |
| Alfred Young, | " | 2 | 50 |
| Elmer H. Wiley, | " | | 60 |
| James B. Scott, | " | 7 | 80 |
| Jeremiah Sullivan, | " | 7 | 60 |
| Thomas R. Lord, | " | 11 | 80 |
| Frank Gill, | " | 2 | 00 |
| Peter Ginnett, | " | 1 | 50 |
| John R. Patch, | " | 5 | 20 |
| Charles H. Baxter, | " | 6 | 10 |
| James McLaughlin, | " | 4 | 80 |
| Wm E. Barton, | " | 6 | 60 |
| George Fall, | " | 16 | 00 |
| A. W. Conant, | " | 2 | 40 |
| Thomas Reddy, | " | | 80 |
| Erastus Clark, | " | 2 | 50 |
| J. M. Caldwell, | " | 2 | 50 |
| C. F. Jordan, | " | 6 | 00 |
| Dennis Minnehan, | " | 6 | 20 |
| James A. Lord, | " | 2 | 60 |
| Michael Young, | " | 1 | 40 |
| A. W. Brown, | " | 8 | 30 |
| Michael Laffy, | " | 2 | 20 |
| John T. Harris, | " | 3 | 40 |
| John P. Doyle, | " | 2 | 40 |

| | | | |
|---|---|---|---|
| F. H. Girard, | labor..... | 50 | |
| A. D. Mallard, | " ..... | 2 00 | |
| Fred C. Rust, | " ..... | 90 | |
| Chester Patch, | " ..... | 1 60 | |
| John Ely, | " ..... | 2 60 | |
| F. A. Ross, | " ..... | 3 50 | |
| S. P. Foster, | " ..... | 40 | |
| H. K. Dodge, | " ..... | 60 | |
| Edw. Robicheau, | " ..... | 50 | |
| Nathaniel Rust, | " ..... | 1 23 | |
| John A. Doyle, | " ..... | 1 20 | |
| G. H. Brocklebank, | " ..... | 1 00 | |
| George W Scott, | " ..... | 2 00 | |
| Thomas Shaw, | " ..... | 4 00 | |
| James Graffum, repairs, plow and sled..... | | 13 19 | |
| J. Albert Smith, | " " " ..... | 4 90 | |
| | | | $ 218 92 |

## District No. 2.

Paid:

| | | | |
|---|---|---|---|
| Nathaniel T. Low, | labor..... | $ 22 35 | |
| Edward A. Spiller, | " ..... | 8 40 | |
| Charles S. Jewett, | " ..... | 1 10 | |
| W. F. Brocklebank, | " ..... | 3 60 | |
| Elmer Smith, | " ..... | 2 20 | |
| Fred Hull, | " ..... | 3 10 | |
| Arthur Montgomery, | " ..... | 3 45 | |
| W. L. Stone, Jr., | " ..... | 4 50 | |
| C. W. Smith, | " ..... | 2 20 | |
| H. A. Churchill, | " ..... | 4 45 | |
| D. W. Stone, | " ..... | 4 00 | |
| A. W. Conant, | " ..... | 3 80 | |
| Irving Brown, | " ..... | 2 85 | |
| William Claxton, | " ..... | 2 55 | |

| | | | |
|---|---|---|---|
| Frank C. Hull, | labor..... | 3 30 | |
| George Dort, | " ..... | 3 00 | |
| W. H. Burnham, | " ..... | 2 10 | |
| Henry Cook, | " ..... | 2 20 | |
| James Cameron, | " ..... | 3 05 | |
| Amos Scotton, | " ..... | 1 40 | |
| Burton Holland, | " ..... | 80 | |
| Nathaniel Rust, | " ..... | 1 90 | |
| Albert Rogers, | " ..... | 2 35 | |
| Jere. Brocklebank, | " ..... | 3 55 | |
| Robert L. Gove, | " ..... | 50 | |
| James A. Lord, | " ..... | 80 | |
| William A. Mayo, | " ..... | 1 05 | |
| John Rollins, | " ..... | 1 00 | |
| Wm. Brocklebank, | " ..... | 20 | |
| J. F. Claxton, | " ..... | 20 | |
| Fred C. Rust, | " ..... | 70 | |
| | | ——$ | 96 65 |

## District No. 3.

Paid:

| | | | |
|---|---|---|---|
| W. B. Atkinson, | labor.....$ | 7 40 | |
| H. Witham, | " ..... | 5 40 | |
| D. Witham, | " ..... | 1 80 | |
| J. Cronin, | " ..... | 5 60 | |
| Alfred Young, | " ..... | 3 40 | |
| J. Atherly, Jr., | " ..... | 1 60 | |
| C. W. Spiller, | " ..... | 1 80 | |
| Hiram Parlee, | " ..... | 1 60 | |
| Edward Plouff, | " ..... | 2 00 | |
| Frank Campbell, | " ..... | 5 60 | |
| Rassie Final, | " ..... | 1 80 | |
| Edward Robicheau, | " ..... | 5 60 | |
| Alonzo Butler, | " ..... | 5 00 | |

| | | | |
|---|---|---|---|
| Robert L. Gove, | labor..... | 4 80 | |
| John Dorr, | " ..... | 1 80 | |
| Wm. E. Barton, | " ..... | 5 60 | |
| J. H. Hull, | " ..... | 6 20 | |
| J. H. Hull, Jr., | " ..... | 6 60 | |
| W. H. Jewett, | " ..... | 5 60 | |
| Leander Jewett, | " ..... | 5 60 | |
| John T. Harris, | " ..... | 5 60 | |
| John Pear, | " ..... | 6 00 | |
| Arthur Sheppard, | " ..... | 5 60 | |
| Charles Small, | " ..... | 5 60 | |
| E. H. Hall, | " ..... | 1 80 | |
| William Soar, | " ..... | 1 80 | |
| George W. Plouff, | " ..... | 80 | |
| Alfred Norman, | " ..... | 3 80 | |
| John Spencer, | " ..... | 1 60 | |
| A. W. Brown, | " ..... | 41 10 | |
| Daniel Sheehan, | " ..... | 2 80 | |
| Smith E. Hayes, | " ..... | 3 00 | |
| Walter F. Gould, | " ..... | 6 00 | |
| John E. Norman, | " ..... | 2 80 | |
| | | ——— | $ 173 10 |

## District No. 4.

Paid:

| | | | |
|---|---|---|---|
| Augustine Stone, | labor..... | $ 15 60 | |
| J. F. Kinsman, | " ..... | 10 00 | |
| John Wright, | " ..... | 3 90 | |
| John Galbraith, | " ..... | 8 40 | |
| Alden Story, | " ..... | 6 00 | |
| David Lowe, | " ..... | 9 10 | |
| C. W. Spiller, | " ..... | 9 10 | |
| Hiram Parlee, | " ..... | 9 20 | |
| John Pear, | " ..... | 2 60 | |

| | | | |
|---|---|---|---|
| J. R. Richards, | labor | 1 60 | |
| Chester Patch | " | 1 60 | |
| Frank Hicks, | " | 1 60 | |
| Chester B. Caverly, | " | 4 60 | |
| Frank Scotton, | " | 80 | |
| George Smith, | " | 9 20 | |
| H. H. Story, | " | 5 10 | |
| Walter Story, | " | 3 80 | |
| Edgar Story, | " | 1 70 | |
| Asa R. Brown, | " | 1 80 | |
| G. L. Woodbury, | " | 1 60 | |
| Charles Patch, | " | 3 20 | |
| Alfred Young, | " | 2 80 | |
| R. W. Bolles, | " | 3 00 | |
| Robert Spencer, | " | 1 70 | |
| | | | $ 118 00 |

## District No. 5.

Paid:

| | | | |
|---|---|---|---|
| J. B. Brown, | labor | $ 15 80 | |
| Frank Smith, | " | 4 80 | |
| Timothy Comeau, | " | 5 40 | |
| J. B. Caverly, | " | 7 00 | |
| George Woodbury, | " | 7 30 | |
| G. L. Woodbury, | " | 7 30 | |
| George E. Smith, | " | 15 15 | |
| H. H. Story, | " | 5 90 | |
| W. H. Story, | " | 5 20 | |
| Asa R. Brown, | " | 7 40 | |
| Charles Patch, | " | 15 20 | |
| E. K. Brown, | " | 13 00 | |
| | | | $ 109 45 |

## District No. 6.

Paid:

| | | | |
|---|---|---|---|
| J. W. Carlisle, | labor | $ 33 | 10 |
| Joseph Marshall, | " | 8 | 00 |
| W. G. Horton, | " | 33 | 80 |
| T. M. Norman, | " | 12 | 60 |
| C. G. Brown, | " | 13 | 20 |
| Quincy Kinsman, | " | 5 | 80 |
| R. W. Bolles, | " | | 80 |
| Frank Taylor, | " | 10 | 80 |
| F. A. Goodwin, | " | 18 | 00 |
| W. H. Girard, | " | 6 | 20 |
| W. E. Girard, | " | 6 | 20 |
| E. M. Girard, | " | 6 | 20 |
| H. F. Girard, | " | 6 | 20 |
| D. C. Sheehan, | " | 10 | 20 |
| F. L. Sheehan, | " | 12 | 00 |
| F. Brown, | " | 5 | 60 |
| Rufus Brown, | " | 13 | 40 |
| Enos Manthorn, | " | 12 | 00 |
| E. W. Tarr, | " | 2 | 40 |
| Jeremiah Sullivan, | " | 2 | 60 |
| Dennis Minnehan, | " | 8 | 40 |
| J. Girard, | " | 2 | 00 |
| W. F. Kinsman, | " | 9 | 50 |
| Eben Moulton, | " | 13 | 80 |
| W. B. Sturgis, | " | 1 | 60 |
| Michael Laffy, | " | 8 | 00 |
| P. Byrnes, | " | 6 | 00 |
| John Holtum, | " | 6 | 00 |
| John Doyle, | " | 4 | 00 |
| C. B. Eastman, | " | 3 | 00 |
| L. G. Parsons, | " | 4 | 00 |
| S. C. Parsons, | " | 4 | 00 |

| | | | |
|---|---|---|---|
| J. M. Fall, | labor | 8 40 | |
| James A. Morey, | " | 2 00 | |
| A. S. Brown, Jr., | " | 1 00 | |
| | | | $ 300 80 |

DISTRICT No. 7.

Paid:

| | | | |
|---|---|---|---|
| E. Newton Brown, | labor | $ 34 40 | |
| A. Story Brown, | " | 23 40 | |
| Fred G. Cross, | " | 40 00 | |
| B. R. Horton, | " | 30 40 | |
| Mannasseh Brown, | " | 11 40 | |
| | | | $ 139 60 |

DISTRICT No. 8.

Paid:

| | | | |
|---|---|---|---|
| J. H. Brown, | labor | $ 25 80 | |
| Ralph B. Haskell, | " | 9 20 | |
| Geo. A. Tibbetts, | " | 21 00 | |
| William Waddy, | " | 5 40 | |
| A. B. Fellows, | " | 27 40 | |
| D. W. Appleton, | " | 10 35 | |
| H. H. Wall, | " | 4 80 | |
| J. E. Fellows, | " | 5 80 | |
| | | | $ 109 75 |

DISTRICT No. 9.

Paid:

| | | | |
|---|---|---|---|
| Joseph R. Wilson, | labor | $ 28 20 | |
| Aaron Lord, | " | 17 80 | |
| W. B. Sturgis, | " | 12 20 | |
| Charles Buzzell, | " | 3 00 | |
| F. G. Whittier, | " | 2 80 | |
| C. L. Harvey, | " | 2 80 | |
| Ambrose Young, | " | 4 40 | |

| | | | |
|---|---|---|---|
| Alfred Young, | labor | 1 20 | |
| C. B. Caverly, | " | 1 20 | |
| J. O. Smith, | " | 6 40 | |
| F. R. Daniels, | " | 2 80 | |
| F. L. Buzzell, | | 4 40 | |
| Albert S. Brown, | | 7 00 | |
| T. A. Howe, | " | 3 20 | |
| W. H. Soar, | " | 1 80 | |
| F. A. Ross, | " | 1 60 | |
| Maynard Whittier, | " | 35 55 | |
| | | | $ 136 35 |

DISTRICT No. 10.

Paid:

| | | | |
|---|---|---|---|
| Aaron Morse, | labor | $ 8 25 | |
| J. M. Purinton & Son, | " | 6 00 | |
| M. J. Driscoll, | " | 8 25 | |
| Charles Steele, | " | 5 10 | |
| John Gerry, | " | 3 70 | |
| Dennis Minnehan, | " | 1 80 | |
| William Brennan, | " | 40 | |
| William Goodhue, | " | 2 30 | |
| Est. W. G. Brown, | " | 2 00 | |
| William Hardy, | " | 1 70 | |
| Amos Potter, | " | 1 70 | |
| Alfred Young, | " | 60 | |
| Peter Quill, | " | 5 20 | |
| Joseph Quill, | " | 4 40 | |
| Eugene Sullivan, | " | 12 50 | |
| Seth Senior, | " | 70 | |
| Arthur Senior, | " | 3 60 | |
| Eben Hurlburt, | " | 3 50 | |
| Brackett Brothers | " | 3 00 | |
| | | | $ 74 70 |

## District No. 11.

Paid :

| | | |
|---|---|---|
| T. R. Lord, | labor | $ 15 30 |
| T. A. Howe, | " | 4 50 |
| F. A. Ross, | " | 1 30 |
| Philip Kimball, | " | 4 30 |
| T. D. Gould, | " | 1 30 |
| W. F. Burnham, | " | 4 30 |
| Sawyer Burnham, | " | 1 30 |
| Ambrose Young, | " | 3 40 |
| R. B. Pickard, | " | 4 00 |
| G. A. Pickard, | " | 4 70 |
| Chester Patch, | " | 2 00 |
| T. L. Jewett, | " | 6 30 |
| E. S. Greenleaf, | " | 3 90 |
| Edward Gwinn, | " | 3 60 |
| Spencer Gwinn, | " | 4 40 |
| Odbur Hurlburt, | " | 1 30 |
| John W. Davis, | " | 3 00 |
| Eben Lord, | " | 8 50 |
| John M. Dawes, | " | 4 20 |
| Dexter McIntyre, | " | 5 70 |
| Thomas Barney, | " | 1 60 |
| Joseph Leno, | " | 4 40 |
| W. F. Ellsworth, | " | 11 00 |
| W. H. Bodwell, | " | 4 60 |
| Robert Irwin, | " | 3 80 |
| Frank Hicks, | " | 3 40 |
| Levi L. Howe, | " | 3 20 |
| J. R. Richards, | " | 4 00 |
| N. R. Underhill, | " | 7 30 |
| A. H. Rutherford, | " | 2 80 |
| J. W. Burns, | " | 4 10 |
| Thomas Marriott, | " | 2 80 |

| | | | |
|---|---|---|---|
| Harry Marriott, | labor | 2 20 | |
| Fred Sheppard, | " | 2 80 | |
| Thomas Donahue, | " | 2 80 | |
| James Sheppard, | " | 8 00 | |
| E. M. Girard, | " | 1 60 | |
| Burton Holland, | " | 2 00 | |
| Frank Taylor, | " | 1 80 | |
| Harry Girard, | " | 1 60 | |
| F. B. Saunders, | " | 1 50 | |
| Walter Hicks, | " | 2 00 | |
| W. E. Girard, | " | 1 60 | |
| T. D. Gould, | " | 3 20 | |
| John Girard, | " | 1 60 | |
| M. A. Saunders, | " | 1 30 | |
| W. K. Chapman, | " | 1 00 | |
| Hart & Lord, | " | 3 39 | |
| | | | $ 178 69 |

## District No. 12.

Paid:

| | | | |
|---|---|---|---|
| Walter C. Frost, | labor | $ 1 40 | |
| W. H. Lavalette, | " | 4 27 | |
| C. W. Conant, | " | 2 92 | |
| M. G. Phillips, | " | 1 20 | |
| W. O. Conant, | " | 3 25 | |
| J. C. Conant, | " | 5 60 | |
| G. H. Phillips, | " | 1 20 | |
| W. E. Garrette, | " | 4 20 | |
| | | | 24 04 |

## District No. 13.

Paid:

| | | | |
|---|---|---|---|
| James Kinnear, | labor | $ 13 47 | |
| Thomas Kinnear, | " | 6 40 | |
| Walter Farnum, | " | 3 82 | |

| | | | |
|---|---|---|---|
| A. P. Guilford, | labor | 2 60 | |
| Henry Stone, | " | 2 30 | |
| L. R. Stone, | " | 4 10 | |
| D. S. Perley, | " | 4 00 | |
| | | ——— | $ 36 59 |

DISTRICT No. 14.

Paid:

| | | | |
|---|---|---|---|
| C. M. Perley, | labor | $ 3 65 | |
| Clarence Howe, | " | 1 65 | |
| L. H. Perley, | " | 4 00 | |
| Orrie M. Hills, | " | 2 30 | |
| Walter Farnum, | " | 1 60 | |
| | | ——— | $ 13 20 |

DISTRICT No. 15.

Paid:

| | | | |
|---|---|---|---|
| John A. Smith, | labor | $ 36 10 | |
| John A. Brown, | " | 6 50 | |
| Charles Jewett, | " | 5 00 | |
| J. B. Mitchell, | " | 4 20 | |
| Jesse Rutherford, | " | 6 80 | |
| John Brogan, | " | 5 00 | |
| James W. Ready, | " | 14 80 | |
| Thomas Ready, | " | 14 80 | |
| Epps Norwood, | " | 9 60 | |
| Samuel Foss, | " | 3 00 | |
| Joseph Chaput, | " | 11 60 | |
| Fred Chaput, | " | 6 80 | |
| Fred Noyes, | " | 12 40 | |
| William Ready, | " | 5 60 | |
| William Dresser, | " | 8 60 | |
| Frank Scotton, | " | 9 80 | |
| Frank Tobey, | " | 9 80 | |
| Edward Smith, | " | 14 40 | |

| | | | |
|---|---|---|---|
| J. C. Underhill, | labor | 1 50 | |
| James Ready, | " | 4 00 | |
| D. R. Johnson, | " | 5 40 | |
| Thomas Burns, | " | 2 00 | |
| Charles Smith, | " | 6 40 | |
| Elmer Smith, | " | 4 60 | |
| John Lowe, | " | 4 00 | |
| | | | $ 212 70 |

## District No 16.

Paid:

| | | | |
|---|---|---|---|
| James Dillon, | labor | $ 3 00 | |
| Joseph Hirtle, | " | 3 30 | |
| Alexander Hirtle, | " | 3 30 | |
| A. Everett Jewett, | " | 3 40 | |
| W. A. Mitchell, | " | 6 80 | |
| Thomas Marriott, | " | 4 00 | |
| Thomas Donahue, | " | 3 40 | |
| A. H. Rutherford, | " | 1 30 | |
| Albert Norwood, | " | 1 80 | |
| L. D. Pickard, | " | 2 00 | |
| D. S. Appleton, | " | 1 80 | |
| | | | $ 34 10 |

| | | |
|---|---|---|
| Total snow account | $1976 64 | |
| Balance from highway account | 2436 54 | |
| Unexpended balance | | $ 459 90 |

# State and Military Aid Account.

Commonwealth.

DR.

| | | |
|---|---|---|
| To amt. due for state aid Jan. 1, 1897...G | 2570 00 | |
| To amt. due for military aid Jan. 1, 1897 | 48 00 | |
| To amt. paid for state aid Jan. 1, 1897.. | 2790 50 | |
| To amt. paid for military aid Jan. 1, 1897 | 63 00 | |
| | | $5471 50 |

CR.

| | | |
|---|---|---|
| By cash received for state aid..... | 2570 00 | |
| By cash received for military aid..... | 48 00 | |
| By amt. due for state aid..... | 2790 50 | |
| By amt. due for military aid..... | 63 00 | |
| | | $5471 50 |

# Debt Statement.

## Town of Ipswich.

DR.

| | | |
|---|---|---|
| To notes payable..... | $25940 00 | |
| To orders drawn and not paid..... | 833 44 | |
| | | $26773 44 |

CR.

| | |
|---|---|
| By cash in treasurer's hands..... | 692 10 |
| Bills due farm in treasurer's hands..... | 386 28 |
| Uncollected taxes..... | 1073 33 |

| | | |
|---|---|---|
| Amount due for state aid | 2790 50 | |
| Amount due for military aid | 63 00 | |
| Amount due for burial of soldiers | 70 00 | |
| Amount due on poor account | 279 72 | |
| Amount due corp. tax | 950 00 | |
| | | 6304 93 |
| Total debt Jan. 1, 1898 | | $20468 51 |
| Total debt Jan. 1, 1897 | | 22930 76 |

# Statement of Town Property.

## Real Estate.

| | | |
|---|---|---|
| Farm | $18000 00 | |
| Town house and land | 16000 00 | |
| Cemeteries | 2000 00 | |
| Engine houses and land | 2000 00 | |
| School houses and land | 26000 00 | |
| Woodland at Linebrook | 100 00 | |
| Woodland at Common Fields | 100 00 | |
| Land, Prospect street | 300 00 | |
| Thatch banks, Great Flats | 50 00 | |
| Thatch banks, Third Creek | 10 00 | |
| Gravel pits, Washington street | 150 00 | |
| Gravel pit near A. B. Fellows | 150 00 | |
| Gravel pit near J. C. Carlisle's | 100 00 | |
| Two pounds | 100 00 | |
| | | $65060 00 |

## Personal Property.

| | | |
|---|---|---|
| At the farm | $7472 00 | |
| Fire engines and apparatus | 9300 00 | |
| Hearse | 400 00 | |
| Furniture at town house | 500 00 | |
| Hay scales (2) | 800 00 | |
| Safes for treasurer and clerk | 400 00 | |
| Town team | 500 00 | |
| | | 19372 00 |
| Total real and personal estate | | $84432 00 |
| Town debt Jan. 1, 1898 | | 20468 51 |
| Balance in favor of town | | $63963 49 |
| Balance Jan. 1, 1897 | | $60770 24 |

Respectfully submitted,

Luther Wait,
John A. Brown,
Walter E. Lord,
Selectmen of Ipswich.

---

I hereby certify that I have examined the books of the selectmen, assessors and overseers of the poor, and find them correct, with proper vouchers for all bills paid.

Henry F. Dunnels, Auditor.

## Thomas E. Condon, Treasurer and Collector, in Account with the Town of Ipswich for the year ending Jan. 19, 1898.

DR.

January 20, 1897.

| | | |
|---|---|---|
| To cash on hand | $ 225 | 76 |
| " collected taxes of 1896 | 323 | 62 |
| " collected bills due town farm for 1896 | 144 | 02 |
| " income Mass. school fund | 180 | 06 |
| " County of Essex, dog licenses refunded | 398 | 04 |
| " cor. tax of 1896 | 954 | 74 |
| " Commonwealth, burial of state paupers | 15 | 00 |
| " Commonwealth support of state paupers | 129 | 37 |
| " Commonwealth expense of contagious diseases | 21 | 00 |
| " cor. tax of 1897 | 1356 | 43 |
| " national bank tax | 524 | 03 |
| " military aid of 1897 | 48 | 00 |
| " state aid of 1897 | 2570 | 00 |
| " burial of indigent soldiers and sailors | 70 | 00 |
| " interest on taxes | 52 | 82 |
| " collected bills due town farm 1897 | 1236 | 96 |
| " received from cities and towns poor account | 536 | 66 |
| " received from rent town hall | 309 | 50 |
| " received from school tuitions | 109 | 41 |
| " received from curbing and concreting | 174 | 05 |

| | | |
|---|---|---|
| To cash received from town scales.....$ | 166 | 01 |
| " received from licenses, pedlers, billiards, etc..... | 103 | 00 |
| " received from County on account of seals reimbursed.... | 129 | 00 |
| " received from sale Centennial books..... | 3 | 00 |
| " received from James Graffum damage to hose..... | 6 | 00 |
| " received from rent of Grape Island school house..... | 6 | 00 |
| " received from undrawn orders returned to town..... | 2 | 95 |
| " received from Wm. Jean on account of board of wife at Danvers asylum..... | 15 | 00 |
| " received from John Duprey rent of cemetery pasture..... | 12 | 00 |
| " received on account soldiers' relief..... | 62 | 00 |
| " received on account highways | 21 | 60 |
| " received on account criminal fines..... | 44 | 29 |
| " received on account cemetery lots..... | 250 | 00 |
| " received from Water Dept. temporary loan..... | 2500 | 00 |
| " hired on town notes for Winthrop school house..... | 1000 | 00 |
| " hired on town notes in anticipation of taxes..... | 18000 | 00 |
| " bills due superintendent town farm..... | 386 | 28 |
| " tax list 1897 state tax..... | 2065 | 00 |

| | | |
|---|---|---|
| " tax list 1897 county tax..... | $ 2731 31 | |
| " tax list 1887 town tax..... | 43442 15 | |
| " undrawn orders..... | 833 44 | |
| | | $81158 50 |

CR.

| | | |
|---|---|---|
| By cash paid on orders for 1896..... | 1116 99 | |
| " county tax..... | 2731 31 | |
| " Commonwealth state tax..... | 2065 00 | |
| " national bank tax..... | 529 72 | |
| " abatements for 1896-97..... | 416 16 | |
| " discount on taxes..... | 607 01 | |
| " paid for killing seals..... | 129 00 | |
| " paid officers by orders of the Court..... | 89 90 | |
| " paid prin. on Winthrop school house note..... | 1000 00 | |
| " paid prin. on bridge note..... | 500 00 | |
| " paid interest on notes..... | 1392 90 | |
| " gross amt. selectmen's orders for 1897..... | 44996 30 | |
| " state aid..... | 2790 50 | |
| " military aid..... | 126 00 | |
| " uncollected taxes of 1897..... | 1073 33 | |
| " paid prin. on notes hired in anticipation of taxes..... | 18000 00 | |
| " paid Water Dept. temporary loan..... | 2500 00 | |
| Uncollected bills due town farm 1897.. | 386 28 | |
| Uncollected bills due town farm 1896.. | 16 00 | |
| Cash on hand..... | 692 10 | |
| | | 81158 50 |

This is to certify that I have examined the accounts of the treasurer and have found them to be correctly cast and properly vouched.

Henry F. Dunnels, Auditor.

Ipswich, Mass., Jan. 20, 1898.

# Funds Left in Trust with the Town for the Care of Burial Lots.

In account with Thomas E. Condon, Treasurer.

## COGSWELL FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Saving Bank Feb. 1, '97.. | $248 26 | |
| To interest to Jan. 1, '98..... | 10 02 | |
| | | $ 258 28 |

CR.

| | | |
|---|---|---|
| By cash paid W H. Kirk for care of lot... | 2 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 256 28 | |
| | | 258 28 |

## ANDREWS FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Saving Bank Feb. 1, '97.. | 183 80 | |
| To interest to Jan. 1, '98..... | 7 40 | |
| | | 191 20 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot... | 2 00 | |
| By cash paid Luther Lord for care of lot.. | 1 50 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 187 70 | |
| | | 191 20 |

## STANIFORD FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 73 61 | |
| To interest to Jan. 1, '98..... | 2 96 | |
| | | 76 57 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot.. | 1 00 | |
| By amt. in Ips Savings Bank Jan. 1, '98.. | 75 57 | |
| | | 76 57 |

## KINSMAN FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Saving Bank Feb. 1, '97..$ | 51 63 | |
| To interest to Jan. 1, '98..... | 2 06 | |
| | | $ 53 69 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot... | 1 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 52 68 | |
| | | 53 69 |

## EBEN KIMBALL FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 112 11 | |
| To interest to Jan. 1, '98..... | 4 52 | |
| | | 116 63 |

CR.

| | | |
|---|---|---|
| By cash paid Luther Lord for care of lot.. | 1 50 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 115 13 | |
| | | 116 63 |

## LAKEMAN FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 53 95 | |
| To interest to Jan. 1, '98..... | 2 16 | |
| | | 56 11 |

CR.

| | | |
|---|---|---|
| By cash paid Luther Lord for care of lot.. | 1 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 55 11 | |
| | | 56 11 |

## GIDDINGS FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 109 87 | |
| To interest to Jan. 1, '98..... | 4 42 | |
| | | 114 29 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot.. | 2 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 112 29 | |
| | | 114 29 |

## POTTER FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | $103 66 | |
| To interest to Jan. 1, '98..... | 4 16 | |
| | | $ 107 82 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot.. | 2 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 105 82 | |
| | | 107 82 |

## WILLCOMB FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 60 08 | |
| To interest to Jan. 1, '98..... | 2 42 | |
| | | 62 50 |

CR.

| | | |
|---|---|---|
| By cash paid Luther Lord for care of lot.. | 2 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 60 50 | |
| | | 62 50 |

## DAWSON FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1 '97.. | 100 50 | |
| To interest to Jan. 1, '98..... | 4 04 | |
| | | 104 54 |

CR.

| | | |
|---|---|---|
| By cash paid Luther Lord for care of lot.. | 1 50 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 103 04 | |
| | | 104 54 |

## HANNAH L. KIMBALL FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | $101 00 | |
| To interest to Jan. 1, '98..... | 4 08 | |
| | | 105 08 |

CR.

| | | |
|---|---|---|
| By cash paid Luther Lord for care of lot.. | 1 50 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 103 58 | |
| | | 105 08 |

## TROW FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank May 15, '97 | $300 00 | |
| To interest to Jan. 1, '98 | 6 00 | |
| | | $ 306 00 |

CR.

| | | |
|---|---|---|
| By cash paid W. H. Kirk for care of lot.. | 2 00 | |
| By amt. in Ips. Savings Bank Jan. 1, '98.. | 304 00 | |
| | | 306 00 |

## VARRELL FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Feb. 1, '97.. | 204 00 | |
| To interest to Jan. 1, '98 | 8 24 | |
| | | 212 24 |

## BIRCH FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank Sept. 27, '97 | 50 00 | |
| To interest to Jan. 1, '98 | 50 | |
| | | 50 50 |

## AARON KINSMAN FUND.

DR.

| | | |
|---|---|---|
| To amt. in Ips. Savings Bank July 28, '97 | 50 00 | |
| To interest to Jan., '98 | 1 00 | |
| | | 51 00 |

This is to certify that I have examined the books of the above trust funds and find them to be correct and properly vouched.

Henry F. Dunnels, Auditor.

# Jurors.

List of jurors prepared by the selectmen to be submitted to the voters of said town, at the annual town meeting, to be holden Monday, March 7, 1898:

Wesley B. Atkinson,
John H. Baker,
Thomas W. Baxter,
Warren Boynton,
Charles G. Lord,
E. Newton Brown,
Nathaniel Burnham,
Clifford F. Chapman,
Edward W. Choate,
William A. Clarke,
John H. Cogswell,
Arthur W. Conant,
Frank R. Daniels,
John E. Dodge,
Edward Dole,
George Fall,
John M. Fall,
Moses A. Fellows,
Albert S. Garland,
John S. Glover,
Frank T. Goodhue,
J. Howard Lakeman,
William H. Lavalette,
Austin L. Lord,
George A. Lord,
George E. Lord,
Levi W. Mallard,
Austin Measures,
William A. Mitchell,
John E. Norman,
John W. Nourse,
Henry L. Ordway,
Isaac E. B. Perkins,
Charles M. Perley,
Edwin M. Poole,
William P. Reilly,
Charles W. Rogers,
Foster Russell,
John W. Russell, 2nd,
George P. Smith,
J. Albert Smith,
George Spencer,

William Goodhue,
Frederic M. Gordon,
James Griffing,
George Harris,
Fred O. Hart,
Peter Hennessey,
Benjamin R. Horton,
Seymour I. Hudgins,
Winfield L. Johnson,
Daniel W. Stone,
John E. Tenney,
Charles S. Tyler,
Hale Wait,
Arthur H. Walton,
Jesse Warren,
Frederick Willcomb,
Price G. Williams,
Joseph R. Wilson.

Luther Wait,
John A. Brown,
Walter E. Lord,
} Selectmen of Ipswich.

Ipswich, January 28, 1898.

# Town of Ipswich.

ANNUAL REPORT

— OF THE —

# School Committee.

For The Year Ending December 31st, 1897.

IPSWICH, MASS.:
CHRONICLE PUBLISHING CO.
1898.

# ORGANIZATION.

Dr. Geo. E. Macarthy, Chairman. John H. Cogswell, Secretary

## Sub Committees.

### Primary Grades.
MR. BAMFORD, MRS. NOYES, MR. CUMMINGS.

### Winthrop Grammar.
MR. COGSWELL, MRS. NOYES.

### Manning Grammar.
DR. MACARTHY, REV. M. H. GATES.

### High School.
THE ENTIRE COMMITTEE.

### Argilla School.
REV. M. H. GATES.

### Appleton School.
MRS. NOYES.

### Candlewood School.
MR. BAMFORD.

### Lingbrook School
MR. COGSWELL.

### Village School.
MR. CUMMINGS.

### Willowdale School.
DR. GEO. E. MACARTHY

### On Repairs.
MR. COGSWELL, MR. BAMFORD.

### On Labor Certificates.
DR. MACARTHY.

### Truant Officers.
FRANK E. PAGE, W. H. BROCKLEBANK.

# REPORT.

## FINANCIAL STATEMENT.

### RECEIPTS.

| | | |
|---|---|---|
| Balance due the Schools, Jan. 1897 | $ 1110 39 | |
| Town Appropriations, | 13300 00 | |
| Received from State School Fund, | 180 06 | |
| " " Dog Licences, | 398 04 | |
| " " Scholars (other towns) | 109 41 | |
| " " Rent of Grape Island shoolhouse, | 6 00 | |
| | | $15104 40 |

### EXPENDITURES.

| | | |
|---|---|---|
| Trustees Manning School, | $1350 00 | |
| Teachers' salaries, | 9096 26 | |
| Books and supplies, | 979 71 | |
| Care of School Buildings, | 635 77 | |
| Fuel, | 652 55 | |
| Repairs, | 715 11 | |
| Incidentals, | 246 03 | |
| | | $13675 42 |
| Balance due the schools, Jan. 1898 | | $1428 98 |

# LIST OF TEACHERS,

January 1, 1897.

| | |
|---|---|
| HIGH SCHOOL. | JOHN P. MARSTON, Principal.<br>EMMA G. GARDNER, } Assistants.<br>BERTHA A. CROCKER, } Assistants. |
| MANNING GRAMMAR. | JOSEPH I. HORTON, Principal.<br>LUCY HAMLIN, } Assistants.<br>CARRIE L. LAKEMAN, } Assistants. |
| WINTHROP GRAMMAR. | M. ELMA SMITH, Principal.<br>S. ISABEL ARTHUR } Assistants.<br>EVA M PURINTON, } Assistants.<br>E. MABEL ADAMS, } Assistants. |
| COGSWELL SCHOOL. | KATHERINE C. BAKER, Principal.<br>LUCY A. KIMBALL, Assistant. |
| DENNISON SCHOOL. | MABEL R. WILLIS, Principal.<br>ANNIE P. WADE, Assistant. |
| PAYNE SCHOOL. | EVA A. WILLCOMB, Principal.<br>KATHARINE F. SULLIVAN } Assist's<br>GRACE E. SMITH, } Assist's |
| WAINWRIGT SCHOOL. | MYRTA B. DECATUR. |
| APPLETON SCHOOL. | MARTHA U. LORD. |
| ARGILLA SCHOOL. | CORA A. SMITH. |
| CANDLEWOOD SCHOOL, | LOUISE S. GLOVER. |
| GRAPE ISLAND SCHOOL | CORA H. JEWETT. |
| LINEBROOK SCHOOL. | ELIZABETH F. TODD |
| VILLAGE SCHOOL. | SUSAN R. KIMBALL. |
| WILLOWDALE SCHOOL. | EDITH F. PERLEY. |
| MUSIC. | LAURA A. HUBBARD. |
| DRAWING. | HARRIET D. CONEON. |

# NUMERICAL STATEMENT.

Number of children in town between the ages of 5 and 15 according to the census taken in May 1897. 818

Number of pupils enrolled in the Public Schools as follows: 835

| | |
|---|---|
| In High School, | 74 |
| In Grammar Schools, | 316 |
| In Primary Schools, | 332 |
| In Ungraded Schools, | 113 |
| Total. | 835 |

# ENROLLMENT AND ATTENDANCE.

| NAME OF SCHOOL. | NUMBER ENROLLED | AVERAGE MEMBERSHIP | AVERAGE ATTENDANCE | PER CENT. OF ATTENDANCE |
|---|---|---|---|---|
| High School | 74 | 52.3 | 50 | 95.6 |
| Manning Grammar, | | | | |
| Grade IX | 81 | 64.2 | 60.2 | 93.8 |
| Grade VIII | 51 | 42.8 | 39.8 | 93 |
| Winthrop Grammar School, | | | | |
| Grade VII | 53 | 46.5 | 44.2 | 95 |
| Grade VI | 50 | 43,8 | 40.5 | 92,7 |
| Grade V | 48 | 44.3 | 39.9 | 90.2 |
| Grade IV | 33 | 29.6 | 25.6 | 86.6 |
| Cogswell Primary, | | | | |
| Grade III | 31 | 28.3 | 25 | 88.4 |
| Grade I and II | 42 | 34.7 | 30 | 87 |
| Dennison Primary, | | | | |
| Grade III | 49 | 38.7 | 36.4 | 94 |
| Grade I and II | 50 | 40.8 | 37.7 | 92.5 |
| Payne Primary, | | | | |
| Grade III | 38 | 30.8 | 28.5 | 92.[illegible] |
| Grade I and II | 88 | 77.7 | 66.3 | 85.3 |
| Wainwright Primary, | | | | |
| Grade I and II | 34 | 28.3 | 24.9 | 88 |
| Appleton, Ungraded | 13 | 10.4 | 9.6 | 93 |
| Argilla, Ungraded | 11 | 5.9 | 5.1 | 86.4 |
| Candlewood, Ungraded | 17 | 12 | 10.7 | 90 |
| Grape Island, Ungraded | 3 | 3 | 2.8 | 93.3 |
| Linebrook, Ungraded | 27 | 19.3 | 17.7 | 91.7 |
| Village, Ungraded | 19 | 10.7 | 9.1 | 98 |
| Willowdale, Ungraded | 23 | 13.6 | 11.7 | 86.3 |
| Total | 835 | 678.1 | 61.6 | 90.8 |

# REPORT.

Although it has been said that "Progress in the nineteenth century is found to consist in a return to ancient ideas", the committee in a careful review of the past year, find no retrograde movement in our school work. While we do not find that absolutely "old things have passed away and all things become new", we do find that a substantial gain has been made in many directions. We can but state, however, the line of effort and the methods employed in our educational endeavor; the real results can be learned only as the school boy of today becomes the active, thinking, working and governing citizen of the future, and illustrates by his own defeats or victories the true value of his intellectual equipment for the practical work of life. To train the children of today for the future service of the nation is the teacher's mission; and lessons, not alone in science and language, in physics and mathematics, but also in the principles of truth and order, of honor and patriotism, must be inculcated. Good schools will produce good citizens, and the grand gospel of education which everywhere is being preached today, is the training of the individual pupil for the development of all his powers, physical, mental and moral, whose

results can neither be represented by figures nor reckoned in per cents.

The plan of instruction and gradation inaugurated nearly two years ago, which has for its aim the systematic development of the individual pupil, has been followed with encouraging success. The order of gradation may not as yet be perfect, but it presents a harmonious sequence, and a natural order of teaching in accordance with established psychological principles. Although we are told that "it is more profitable to reckon up our defects than to boast of our attainments", the committee take pleasure in stating that the classes promoted in September, the first to be advanced under the new system, were also the best equipped of any that ever have gone from a lower to a higher grade.

## TEACHERS.

Our corps of teachers includes many who have served the town long and well. Three new names will be found upon the roll. Miss Bertha A. Crocker of Salem was elected to the position of second assistant in the High School, made vacant by the resignation of Miss Remick. Miss Susie L. Kimball succeeded Miss Archer at the Village, the latter having resigned, — (after being reelected), — to pursue her own studies. Miss Edith F. Perley was elected to the Willowdale School. All have proved acceptable teachers. A common interest has seemed to animate the majority of our teachers to make the schools of Ipswich second to none in point of excellence. By visits to progressive schools in other towns they have brought themselves more in touch with the best thoughts and methods of prominent educators. New and modern methods have been studied, the best in them winnowed out and adopted into daily use by the more progressive of our teachers; but how to lead the whole corps to do this and to discard their old hap-hazard ways, is a problem yet unsolved.

## DISCIPLINE.

Discipline does not mean the keeping of good order alone, but

includes the general tone and spirit of the school. With a few exceptions this has been of an excellent character, and the majority of the teachers possess the strong will-power, impressive personality and keen sense of justice necessary to good government. One of the greatest barriers to good discipline is the disposition to talk too much. To constantly threaten punishment for the repetition of an offence is far less effective than to visit each infraction of rule by such a surprise as the nature of the offence may warrant. "Pay as you go" is as good a maxim in the schoolroom as elsewhere. Sarcasm, scolding and "snappishness" are elements of weakness in any teacher and we are glad to say seldom employed in our schools. Very few instances of corporal punishment have occurred during the year, the teachers wisely preferring to spoil the rod and spare the child.

## PROMOTIONS.

While the committee recognize fully the admirable results of the graded system, they find it impossible that all the pupils in a class can advance uniformly. There will always be found scholars who are capable of going on much more rapidly than the average child in the class. Consequently, uniformity—, which has been called "the demon of the graded system"— must be revised by common sense, and some provision must be made for the advancement of the more apt pupils without regard to the "demon". In accordance with this idea the committee has inaugurated a plan of mid-year promotion, the test work and daily work of the pupils being made the basis of such promotion. Thirty-eight scholars were advanced at the beginning of the January term. It is perhaps a little early to judge of its success or wisdom, but thus far it has worked well and the committee believe it will be both beneficial to the individual promoted, and an incentive to increased application to the class from which he is removed. It will serve to bring out the individuality of the scholar and make him more self dependent; he will advance by his own personal effort and not be pushed along the upgrade by the momentum of his class. This, it is hoped, by stimulating to better work will give fuller schools in the higher grades.

### INCIDENTAL TEACHING.

The growth in good manners, especially among the younger children, is especially noticeable upon the street, where the boys of the primary schools lift the hat as easily and greet one as politely as if it were the most natural thing to do. To be sure this is not true of all children, for good seed does not always bear fruit even in the soil of the grown-up individual, but it shows the general trend of instruction in the amenities of life. None the less are lessons in good morals instilled, not only by precept and discipline but, we believe, by that most potent of all instructors, example.

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## PRIMARY SCHOOLS.

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GRADES I, II AND III.—NUMBER OF CHILDREN, 332

The erroneous idea which formerly prevailed, that any one who could read passably well, and could say the multiplication table backwards, was capable of teaching a primary school, has fortunately passed into oblivion with the old methods of teaching children to read by the "ancient and honorable" alphabetic system. Certain requisites for a primary teacher are as rigidly insisted upon today as are those for a High School principal. Indeed it would be better to have incompetency in the higher branches than in the fundamentals. As a whole we have in these schools a corps of teachers second to none in average ability and in some cases of exceptional excellence. The task of assimilating the three hundred and more children who enter these schools, is not an easy one, and yet upon the primary teacher's work depends in great measure the whole success of future instruction. The starting right is of immense importance and this fact our teacners, as a rule, have fully recognized during the past year.

With the exception of the Payne school, no room in this grade has been overcrowded and consequently, better sanitary conditions and better work on the part of the pupils have been made possible. Both teachers and pupils take a noticeable pride and interest in making their surroundings agreeable. The only interruption in the regular routine of work has been at the Payne school. In November Miss Willcomb was transferred, temporarily, to the fourth grade in the Winthrop building, from which Miss Adams also had received temporary promotion. Miss Sullivan was transferred with a portion of her scholars to Miss Willcomb's room, and Miss Grace E. Smith given entire charge of the remaining pupils, numbering nearly sixty. Especial commendation is due Miss Sullivan, and her assistant for the readiness with which they assumed the increased work and added responsibility, and for the faithful manner in which they have performed their duties.

There has been a very perceptible improvement in reading; a greater degree of self-dependence and more natural expression is noticeable. Number work has received a considerable impetus and oral lessons in language, and geography have been profitable. The principle of doing well whatever is worth doing at all has been taught and acted upon. In addition to the classes promoted from these schools in September, sixteen pupils were advanced in January,

## WINTHROP GRAMMAR.

GRADES IV, V, VI AND VII—NUMBER OF PUPILS, 184.

This building which has now been occupied nearly two years may be considered as a special contribution to good scholarship and, in the end, to good citizenship. The general excellence and improvement which was evident at the Visiting Day in June, and the attainments of the class promoted to the Manning Grammar

School, speak for themselves of the work which is being done under the vigorous and tactful management of Miss Smith and her assistants. The beauty and convenience of the building has been a factor in stimulating the children to greater orderliness and pride in their schoolroom. They have become interested in the adornment of their building and nine new pictures, all good subjects, have been hung upon their walls during the past year. They were purchased with money, earned or saved by the pupils with the exception of one dollar. Two more, copies of Gilbert Stuart's George and Martha Washington, have been provided by the school committee and will soon be hung. No one will dispute the educational agency of these decorations

In these grades the pupil makes long strides along learning's road. The primary work is reviewed briefly and language, history, nature study, composition, and letter writing are taken up, while the arithmetic, spelling and reading are still continued. Progress is steady and rapid, yet marked by a distinctive thoroughness. The only matter for regret during the year has been the illness and enforced absence of the principal, Miss Smith, to whose executive ability both as a disciplinarian and an instructor is due, in great measure, the success of the school. When an indefinite leave of absence was granted to Miss Smith, Miss Arthur was placed in the principal's room, a similar raising up of the other assistants was made, and with scarcely an hour's hiatus, the school has gone on with its accustomed good work. Seventeen promotions were made in these grades at the beginning of the present term.

## MANNING GRAMMAR.

GRADES VIII AND IX—WHOLE NUMBER OF PUPILS ENROLLED, 132. AVERAGE MEMBERSHIP, 107.

Under the long-continued leadership of Mr. Horton this school has made the steady progress which has characterized it in former

years. No changes have been made during the past year either in the teachers or in the school curriculum. The pupils arriving at this stage in their school-life are also standing upon that dangerous middle ground between childhood and young manhood and womanhood. The influence of the street now becomes a factor in their education and strives for mastery with that of school and home. Here then, must be taught lessons not only in civil government, but also in self government, for which the teacher needs broad culture, innate refinement an uplifting influence and large endowment. Whether the life structure, to be raised upon the foundation lessons in character taught here, shall be harmonious or otherwise, depends upon the standard held up for the imitation of the pupil.

For many boys and girls the School life ends with the completion of the Grammar Course, but during the past year there has been a decided improvement in this respect. Of the twenty-five pupils graduated in June twenty are attending High Schools either in this or other towns; one has entered a commercial school, and four have gone to work. In comparison with former years and with other schools in the state, this is a flattering showing, and may be considered complimentary to both the High and Grammar schools. The entering class from the Winthrop school was the best ever promoted to the eighth grade. If classes so well equipped can be assured in the future, there is no reason why this school should not advance to a position still higher than that already attained. With the exception of the fall term this school has been filled to overflowing; and from present appearances it would seem that this condition must become a permanent one.

The examinations given in the different grades of this school are the same as those given in corresponding grades of city schools. The greater part of these papers have been taken from Salem and Gloucester schools, and the results thus far obtained have been gratifying. Many of our pupils have taken good rank in other schools. The higher branches now taught in some of our more progressive city schools have, as yet, no place here. The value of these tests as a comparison with the schools of other towns must

diminish, therefore, unless there is an expansion of the Grammar School course here.

Special attention has been given towards broadening the pupil's knowledge of good literature and in making him tolerably familiar with a few of the works of our standard authors. We would suggest a still greater diligence in this line, and in the correct use of English in writing and speaking, even if a small part of the time now devoted to mathematics is sacrificed. A course of Friday afteroon lectures, by our leading citizens, has been given since the beginning of the fall term. These talks have been of great benefit to the school, not only on account of the practical knowledge gained, but also in awakening an interest in matters wholly outside of the school curriculum. These lectures are given at three o'clock every Friday and all who are interested are cordially invited.

The visiting days appointed by the committee have not been as well attended by parents and friends as they should have been; but the attendance at the graduating exercises has been very gratifying.

With the present term, Mr. Horton completes twenty consecutive years of teaching in the Grammar School, during which he has ever displayed a progressive spirit, a tireless devotion to his work and an unvarying interest in his pupils, which have been appreciated by pupil, parent and committee.

The number of promotions in these grades in January was three.

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## GRADUATES FROM GRAMMAR SCHOOL, JUNE 30, 1897.

Miriam Orswell Waters,
Clara Etta Story,
Fannie Bell Goodhue,
Katie Lord Brown,
Marion Gardner Brown,
Jesse Appleton Brown,
Elsie Frances Brown,
Walter Benjamin Wilcox,
Lucy Grover Cheever,
William Raymond Claxton,
Harry Manson Purinton,
Frank Russell Starkey,
Bessie Norton Dane
Arthur Herbert Dane,
Beseie Lord Harris,
Ruth Estes Wakeham,
Lillian Ethel Player,
William Ray Haskell,
Gertrude Mabel Foster,
Ruth Estella Pike,
Nella Manung Brown,
Ralph Libby Purinton,
Cora May Brown,
Wayne Henderson,
Walter Perkins Ross.

# PROGRAM.

| | | |
|---|---|---|
| Piano Duet, | "Golden Star Galop" | Misses Brown and Goodhue |
| Invocation, | | Rev. Geo. F. Durgin |
| Singing, | "The Red Scarf," | School |
| Composition and Salutatory, | "Our Homes" | Bessie N. Dane |
| Composition, | "The Sources of Iron," | Harry M. Purinton |
| Recitation, | "New England Weather," | Walter P. Ross |
| Composition, | "Whittier" | Cora M. Brown |
| Composition, | "Heroes" | Ruth E. Wakeham |
| Recitation, | "The Pebble and the Acorn" | Elsie F. Brown |
| Composition, | "Arnold's Treason," | William Claxton |
| Singing, | "Mariner's Song," | School |
| Composition, | "Tomorrow," | Fannie B. Goodhue |
| Composition, | "The Manufacture of Sugar," | Ralph Purington |
| Recitation, | "Absalom," | Bessie L. Harris |
| Composition, | "The Surrender at Appomattox," | William Haskell |
| Composition, | "Our Song Birds," | Wayne Henderson |
| Recitation, | "Midsummer," | Nella M. Brown |
| Composition, | "A Hundred Years Ago," | Marion G. Brown |
| Singing, | "Lightly My Bark" | Girl Chorus |
| Recitation, | "Seeing Things at Night" | Frank R. Starkey |
| Composition, | "Tramps," | Herbert A. Dane |
| Composition, | "Washington Irving," | Gertrude M. Foster |
| Recitation, | "A Greyport Legend" | Clara E. Story |
| Composition, | "Our Holidays" | Katie L. Brown |
| Cvmposition, | "Our First Wild Flowers," | Ruth E. Pike |
| Recitation, | "In a Hundred Years," | Lillie Player |
| Singing, | "Gloria," | School |
| Composition, | "Beacon Light," | Lucy G. Cheever |
| "Character Sketches," | | Jessie A. Brown |
| Composition, | "John Brown," | Walter B. Wilcox |
| Composition and Valedictory, | | Miriam O. Waters |
| Presentation of Diplomas, | | Chairman of the School Committee |
| Singing of Class Hymn. | | |
| Benediction, | | Rev. T. F. Waters |

# HIGH SCHOOL.

WHOLE NUMBER ENROLLED, 74.

AVERAGE MEMBERSHIP, 58.

Quietly and without any "flourish of trumpets" the work of the High School goes on under the firm, but gentle leadership of Mr. Marston and his able assistants, Miss Gardner and Miss Crocker Of the two former there is little need to speak; "by their fruits' they are known and the sequel to the story of their work is found in the steady improvement of their pupils. Miss Crocker entered the school in September, fresh from college; and with an eager enthusiasm, modest demeanor and fine equipment for her work she has accomplished good results, and has established a reputation as an able, dignified, and diligent teacher.

The efficiency of our High School course received hearty endorsement when, in September, four of those who had completed the four years' course were admitted to college as follows: one to Wellesley; one to Elmira; one to Radcliffe; and one to Harvard A more earnest purpose seems to have been awakened in the pupils this year and, although there are still some who lament that "Of making many books there is no end and much study is a weariness of the flesh," the majority realize that education means something more than the attainment of a certain per cent. and a diploma.

The class entering in September numbered twenty-two. Several of them have decided upon the four yeurs' course. The course of study remains practically unchanged. A Commercial Course should be introduced in connection with the English course, but it would necessitate an additional teacher for shorthand and typewriting. Such a course would be of practical value to those of our boys and girls who must take up some active work immediately

on leaving school, and who now must seek this training elsewhere.

Additional opportunities and advantages for work in the scientific course have been furnished by the Manning Trustees who have provided new apparatus for the laboratory.

Early in September a request, approved by the principal of the school, was presented to the committee, asking that an address by some well known educator or orator may be substituted at the graduation exercises in June, 1898, for the usual essays and recitations of the graduating class. The committee voted to put the plan into experimental operation this year, leaving the question of its permanent adoption to be decided after the trial of the plan. There are several advantages to be claimed for the new order of exercises: preperation for graduation need no longer interfere with the regular school work; it will save the pupils the expense (it is hoped) of an elaborate toilet and the nervous strain attendant upon a first appearance before a large audience, The committee recommend the following programme: Salutatory by a Senior; Address to the Graduates, by the Rev. D. O. Mears of Albany, N. Y.; Valedictory by a Senior; Response for the School by a Sub-senior; Presentation of Diplomas by Chairman of the school committee; Singing of Class Ode; the exercises to be interspersed with singing under the disection of the Music Teacher, and the honors to be awarded by merit. Dr. Mears of Albany has kindly accepted the invitation of the school committee to deliver the address upon June 30, 1898.

The increased ottendance of this school is very gratifying to the committee who feel that only by giving of the best to posterity can we pay the debt to our ancestry who left to us the rich heritage of the public schools.

# CLASS OF '97

## THREE YEARS ENGLISH COURSE.

Mabelle Irving Akerman, Annie Margarette Hayes,
Oria Louise Purington, Grace Atherton Wallace,
Ernest Carter Rust.

## FOUR YEARS COLLEGE PREPARATORY COURSE.

Edith Lyman Daniels, Marion Pike Ross,
Lucy Gerrish Harris, Ralph Hallam Grant.

# PROGRAM.

March, - - - - - Bessie M. Boiles
Invocation, - - - - Rev. Milo H. Gates
Singing, Sion, M. H. S. Chorus
Salutatory,—"The Beginning," Mabelle Irving Akerman,
Singing,—"The Better Land," M. H. S. Chorus
Essay,—"Historic Massachusetts," Grace Atherton Wallace
Singing,—Duett, "Come Where the Roses,"
Misses Spiller and Akerman
Class History,—"Past and Present," Annie Margarette Hayes
Singing.—Ladies Chorus, { a. The Spinner / b. The Boat Song
Class Prophecy,—"Future," Oria Louise Purington
Singing,—"Away to the Fields." M. H. S. Chorus
Valedictory { "Is the Present Age the Most Advanced in the History of the World,"
Ernest Carter Rust
Presentation of Diplomas, Chairman of School Board
Class Song, - - - - Class of '97
Benediction, - - - Rev. Edward Constant

# CLASS ODE.

[MUSIC:—THE LORELEY.]

Three years of happy school-life
  Too soon have passed away
And Graduation finds us
  In Manning Hall today.
Though this day means a farewell
  To teachers, school and friends
'Tis also a commencement
  And joy with sadness blends.

Not parting, but beginning,
  Is graduation day,
It tells of brighter prospects
  That shine along our way
These years of pleasant study
  If we have spent them well
Have given to us something
  Which in our lives will tell.

School life is a beginning
  Preparing, so to speak
To help us in Life's battle
  Our duties well to meet,
The hill of life before us
  Is ever hard to climb
But at last the patient worker
  A sure reward will find.

—Grace Atherton Wallace.

# UNGRADED SCHOOLS.

NUMBER OF PUPILS, 113.

How to devise some system by which these schools, seven in number, can be brought in touch with the general plan of school work, is a question, that like the riddle of the sphinx, is difficult of solution. All educational ideas now tend towards centralization but to bring these widely divergent corners of the town together at a common centre has been thus far impossible. The larger scholars might be transported easily, but for the smaller ones to be a whole day away from home seems rather impracticable. Yet both teachers and children are handicapped by the present method. Music, drawing and other studies now required in the regular curriculum can have no place in a school where there are as many grades as pupils, or if taught at all, the instruction can be given only in a desultory way productive of little good.

With the exception of Miss Kimball, who was elected to the Village School upon the resignation of Miss Archer, and Miss Perley, who also has done excellent work at Willowdale, the corps of teachers has been the same as for several years past. Miss Cora A. Smith was granted a leave of absence in November on account of ill health, and Miss Cora H. Jewett has proved an acceptable substitute. It would seem advisable to discontinue the school at Grape Island, the number of children having been reduced to three.

# REPORT OF MUSIC TEACHER.

TO THE SECRETARY OF THE SCHOOL COMMITTEE.

The development of this branch of study, which is now required in the entire course from Primary to High School, has been quiet but constant and sure. It is remarkable that with so limited an

amount of time devoted to the work, so much has been accomplished. A large share of this proficiency must be attributed to the enthusiastic work of the regular teachers and to the improved system of grading.

The work the Primary grades has been of a peculiarly satisfactory nature. The ease with which some of the youngest children read music, their knowledge of the rules and their ability to write little scores, would do credit to pupils of a much higher grade. The singing of the Grammar school pupils, at the graduating exercises in June, proved the good results of the work in that grade; and the music in the High School has been pronounced by competent critics to equal, and in some respects to excel, that of the schools in many of our larger towns and cities. In the High, Grammar and upper Primary rooms, a lesson is given each week; in the lower Primaries, once in two weeks.

Respectfully submitted
LAURA A. HUBBARD.

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# REPORT OF DRAWING TEACHER,

TO THE SECRETARY OF THE SCHOOL COMMITTEE.

One can truthfully say that no subject taught in our public schools has made such strides as has that of drawing, during the past four years. To-day, the drawing teacher has other motives besides that of simply teaching the children how to draw. As music and literature are taught to awaken a love for the best in these arts, so drawing aims to cultivate and elevate aesthetic ideals. To that end, as well as for purposes of health, our old schoolhouses are being put into better repair; our new ones are built more artistically and the walls tinted and hung with photographs from the best paintings, sculpture and architecture. Tastes acquired in childhood are not easily outgrown. For that reason we are making a study of pictures and artists, one at a time, and have introduced a

'Picture Day" now and then, when all the pictures exhibited are to illustrate a certain subject.

The recent manufacturing of cheap but good colors and brushes, has made the introduction of water colors possible in our schools. They have been used in the upper primary and grammar grades with good results and a great deal of enjoyment. If great artists were not created, an interest in the beauties about us was certainly awakened. In the grammar grades, two months, February and March, are devoted to mechanical drawing and the more practical working drawings are made.

Drawing, in the High school is optional. At present there are but twenty pupils in the class. The subjects taken up are constructive geometry, projection and simple machine drawing, out-door sketching, practical designing and water colors. The pupils are allowed a choice of subjects but the classes are obliged to alternate and take a one hour lesson once a fortnight. The grammar and upper primaries are visited once each week, the lessons continuing from forty-five minutes to one hour. The lower Primaries are visited once in two weeks, with lessons during the intervening time by the regular teachers. The grading of the schools and the consequent decrease in the number of pupils in a single room, is making a gratifying difference in the results of the work. The interior of our school buildings is satisfactory. Few teachers in towns of this size can boast that the walls of all her schoolrooms, new and old, are so artistically tinted. My thanks are due the teachers for their hearty co-operation and to the committee for showing their confidence by allowing me such undisturbed freedom.

Respectfully submitted

HARRIET D. CONDON.

# TRUANT OFFICERS' REPORT,

TO THE SECRETARY OF THE SCHOOL COMMITTEE.

During the past year we have been called upon to look up 59 cases of truancy. Of these, twenty-two have been visited more than

once. A few, only, were found who are confirmed in habits of truancy. Probably as long as "man is born in sin" there will be truants, but the number will be greatly lessened if parents will take more interest in seeing that their children are in school. The slightest excuse is often deemed sufficient by the parent, who is more responsible than the truant himself. With our increased school population, many of whom have so little idea of the importance of school attendance and school discipline, it is a matter for congratulation that the number of truants is smaller even than that of last year.

Respectfully submitted

FRANK B. PAGE

W. H. BROCKLEBANK

Truant Officers.

## SCHOOL BUILDINGS.

The committee on Repairs have exceeded the appropriation somewhat, but they feel that they were justified in so doing, deeming the health of the pupils of greater consequence than the saving of a few dollars. Diphtheria had prevailed among the pupils of nearly all the schools, and, as a precaution, every school-room was thoroughly cleaned and renovated. A new stair-case has been put in at the Payne School House, in compliance with the State Law. In putting in this stair-case we were obliged to do away with the recitation rooms, and some provision now must be made for the accommodation of the pupils who have formerly occupied these rooms. The committee recommend that an addition be constructed upon the eastern side of the Payne School Building, 25 feet wide by 30 feet in length and 12 feet in height. This will give a school-room of sufficient size to accommodate 50 pupils.

The committee have procured, (without extra expense to the town) a plan of such an addition, which they are prepared to submit to the town with a careful estimate of its cost. The double

desks still to be seen in this building may be interesting as relics but they are chiefly valuable as a stimulus to disorder. As a matter of both economy and health, the furniture should be removed and plain, substantial single seats substituted. This is almost the only building in town which still retains the double desks although it has always held the largest number of pupils.

## SCHOOL SIGNAL.

Arrangements have been made with the Millett & Woodbury Shoe Company, for the use of their steam whistle in the signals for "No School" and "One Session" in very stormy weather. The No School signal will be sounded at 8 o'clock A. M., and the signal for No Afternoon Session, at 11 o'clock A. M. The signal will consist of one short blast; wait ten seconds; one short blast; wait ten seconds; one long blast; wait one minute and repeat once.

## SUMMARY OF EDUCATIONAL LAWS.

### CHAPTER 498.

Sect. 1. All children between the ages of 8 and 14, unless sick, feeble-minded, at an approved private school, or otherwise instructed, must attend the public school 30 weeks of the school year. They must begin within the first month of the fall term. Two weeks absence is allowed. Penalty $20 for each five days excess of 2 weeks, unless caused by sickness, or excused by the school-committee.

### CHAPTER 508,

Sect. 13. No child under 13 years of age shall be employed at any time in any factory, workshop' or mercantile establishment during the hours when the public school, of the city or town are in session.

## CHAPTER 508.

Sect. 14. No child between 13 and 14 years of age, shall be employed unless he has attended school 30 weeks of the school year.

## CHAPTER 508.

Sect. 16. No child under 16 years of age shall be employed without a certificate from the school authorities.

## CHAPTER 48.

Sect 6. The father, if living and a resident, must accompany the child to sign the certificate of age; if not, the mother; if neither the father or mother, the guardian.

## CHAPTER 291.

Sect. 7. Proof of correct age must be furnished, if the age certificate does not agree with the school census.

## CHAPTER 47.

Sect. 9. Children must be vaccinated before attending school, unless [Amendment, Chap. 515, Sect. 1.] a certificate signed by a regular physician, is presented, saying the child is an unfit subject for vaccination.

## CHAPTER 198--ACTS 1885:

No child shall attend school from a household in which there is a case of small-pox, diphtheria, or scarlet-fever. Two weeks after the death, recovery or removal of the patient, the child may return on presentation of a certificate from the attending physician or board of health.

## CHAPTER 422,—ACTS OF 1889.

Truant officers may be authorized by the school committee, to

apprehend and take to school without warrant, all truants found wandering about in the streets or public places.

### Chapter 249,—Acts of 1889.

Any child between 7 and 15 years of age, convicted of being an habitual truant, may be committed for two years to any institution provided therefor.

### Chapter 111,—Acts of 1890.

In all the public schools in the Commonwealth, the last regular session prior to Memorial Day, shall be devoted to exercises of a patriotic nature.

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## NEXT SCHOOL YEAR.

First term, 15 weeks, begins Tuesday, September 6 and closes Friday, December 16, 1898.

### VACATION OF TWO WEEKS.

Second term, 13 weeks, begins, Monday, January 2, 1899, and closes Friday, March 31, 1899.

### VACATION OF ONE WEEK.

Third term, 12 weeks, begins Monday, April 10, and closes Thursday, June 29, 1899.

There will be no school on Friday of Thanksgiving week; or on any of the legal holidays.

Regular meeting of the school committee, Tuesday before the first Wednesday in each month.

## APPROPRIATIONS FOR 1898.

We recommend the following appropriations for the year 1898.

| | |
|---|---|
| For High School, (as per contract)..... | $1350 00 |
| For Common Schools (Teachers' Salaries)..... | 9300 00 |
| For Text Books and Supplies..... | 950 00 |
| For Care of School Buildings..... | 650 00 |
| For Fuel..... | 650 00 |
| For General Repairs..... | 300 00 |
| For New Furniture for Payne School..... | 300 00 |
| Total, | $13500 00 |

GEO. E. MACARTHY,
JOHN H. COGSWELL,
MILO H. GATES,
CHARLES W. BAMFORD,
CHARLES S. CUMMINGS,
HARRIET E. NOYES.

# REPORT OF THE TRUSTEES OF THE BURLEY EDUCATIONAL FUND.

The trustees of the Burley Educational Fund in Ipswich, present to the inhabitants of Ipswich in legal meeting assembled their

## SEVENTY THIRD ANNUAL REPORT

| | |
|---|---|
| The funds in their hands consist of fifteen shares of the capital stock of the Portsmouth, Saco and Portland Railroad, the market value thereof being about | $1725.00 |
| One note of Town of Ipswich for | 3500.00 |
| Deposited in Salem Saving's Bank | 962.37 |
| Deposited in Salem 5 cts Savings Bank | 841.74 |
| Deposited in Ipswich Savings Bank | 3841.84 |
| Caldwell Fund in Ipswich Savings Bank | 636.32 |
| Total amount of Funds | $11557.27 |
| The income of said Fund since the last report is as follows to wit: | |
| Dividends on 15 shares P. S & P. Railroad | $90.00 |
| Interest from Salem Savings Bank | 37.36 |
| Interest from 5ct. Savings Bank | 32.68 |
| Interest from Ipswich Savings Bank | 141.43 |
| Interest from Ipswich Savings Bank, Caldwell Fund | 26.62 |
| Interest on Town Note | 175.00 |
| Total income | $503 09 |
| The expense has been as follows, viz: | |
| Paid Laura A. Hubbard for teaching music in the schools | $218 75 |
| Balance being income over expenses | $284 34 |

Dated February 19, 1898

Charles A. Sayward
John H. Cogswell
Frederick Willcomb
F. T. Goodhue
Geo. E. Farley

Trustees of the Burley Educational Fund in Ipswich.

# Town of Ipswich.

FOURTH REPORT

— OF THE —

# Water Commissioners.

FOR THE YEAR 1897.

IPSWICH, MASS.:
CHRONICLE PUBLISHING CO.
1898.

# Report of Water Commissioners.

To the Citizens of Ipswich :

We have the honor of placing before you the Fourth Annual Report of the Board of Water Commissioners, for the year ending Jan. 1, 1898.

The previous arrangement of the financial tables is continued and all extensions of new service piping, and additions to the original plant are embraced under "Construction Account.

The receipts from sale of water during the year 1897 have been $6,263.37, exceeding the Commissioners' estimate of $6,250 by $13.37, which, after taking into consideration the number of services that have been sealed during the year and the wet weather during the Summer months, shows a very gratifying result.

At the beginning of the year the Commissioners voted to change some of the rules and rates, which caused some considerable comment by some of the takers. This was not done until after careful consideratiou by the Commissioners and in their judgement was for the best interests of the

tax payers. They have not had a fair trial of the same owing to the small use of the hose the past year as compared with the year 1896, when the abuse was so great the Commissioners felt compelled to make the change.

## WATER SUPPLY.

There has been an abundant supply of water during the year, and the samples submitted each month to the State Board of Health for analysis showed, that in quality, it is in every way satisfactory for domestic use.

We have 32 more takers than a year ago, and new houses and larger demands are every year emphasizing the wise judgment of the Citizens in voting to establish a water system.

## PUMPING STATION AND PLANT.

They continue to be in a good condition, having required no repairs except some minor renewals and the placing of double windows on the main building.

# FINANCIAL.

A full statement in detail of appropriations and expenditures and the cost of the works to date is appended to this report.

The receipts for sinking fund with investments of same is also given.

The payments made during the past year on construction account have exceeded the estimate made by the Commissioners. Land Damage Suits have been settled during the year requiring an expense of $876.25 this with expenses on services has caused an expenditure of $1751.87 It was estimated that the balance carried from 1896, would cover all requirements for services, no estimate being made for the Land Damage Suits in court. These damages were settled by the Commissioners rather than put the Town to extra expense of a jury trial, which in the opinion of the. Commlssioners would have incurred larger expenditure, hence while the amount paid to settle these claims was excessive, the award coupled with the expense might have been much larger.

Owing to the settlement of these Land Damage Suits without any provisions being made therefor, causes a deficit for the year of $443.53. To cover this deficiency in construction, the Commissioners suggest a vote be passed authorizing the Town Treasurer to borrow on Town Notes, the sum of $1000.00 until such time as these notes for construction shall amount to $3000.00, then bonds can be issued to cover the same.

In conclusion, the Board of Commissioners estimate receipts for 1898 to be $6500.00, the disbursements $10,849.08 as follows: Sinking Fund, $1965.55; Interest on Bonds, $5440.00; Maintenance, $2500.00; Services, $500.00; Deficiency, $443.53.

They recommend appropriations to be levied by taxation the same as last year. $25 00 per Hydrant for fire service, amounting to $2775.00 and $1000.00 for Sinking Fund purposes. These with the income from water sales and the $1000.00 Town Note, will enable them to meet all expenses for the year 1898.

WALTER E. LORD,
EVERARD H. MARTIN,
CHARLES W. BROWN,

*Water Commissioners of Ipswich.*

## I. LIST OF BILLS AND AMOUNTS PAID FOR THE YEAR ENDING DECEMBER 31, 1897.

| No. | Paid To | For What | Amt's. | Ac'ct Ap'd to. |
|---|---|---|---|---|
| 1 | P. A. Allan, | Services to Jan. 1. | $33 00 | Maintenance. |
| 2 | Freeman C. Coffin, | Report & Spec'cation | 38 62 | " |
| 3 | Jackson Ex. Co., | Expressege | 45 | " |
| 4 | J. M. Caldwell & Son | Wood | 45 | " |
| 6 | American Ex. Co., | Expressage | 15 | " |
| 7 | Thomas Groom & Co | Book for Plans | 5 50 | " |
| 8 | Chs. E. Smith, | Dam'ge to trees & lab. | 10 28 | " |
| 9 | G.A. Schofield, P. M. | 500 1c. stamps | 5 00 | " |
| 10 | Cotton & Woolen M. M Ins. Co., | Prem. on Ins. | 50 00 | " |
| 11 | National Meter Co., | 6 ⅝ in. Crown Met'rs | 74 40 | Services |
| 12 | Independent Printing Co., | 800 copies Water Rts | 10 80 | Maintenance |
| 14 | P. A. Allan, | Service to Jan. 23. | 33 00 | " |
| 15 | John Doyle, | Labor | 1 40 | " |
| 16 | Hersey Manfg Co., | Repairs on Meters | 3 20 | Services |
| 17 | Wm. H. Gallison Co. | Fittings | 4 90 | " |
| 19 | Lubron Manfg Co., | Supplies | 10 80 | Maintenance |
| 20 | B. & M. R. R., | Freight, lead&Met'rs | 81 | Services |
| 21 | Walworth Manfg Co | Fittings | 2 48 | " |
| 22 | National Meter Co., | 3 ⅝ in. Crown and 3 ⅝ in. Nat. Met'rs | 65 40 | " |
| 23 | Chronicle Pub. Co., | 1200 cp. WaterReport | 50 75 | Maintenance |
| 25 | H. P. Hutchinson, | Telemeter Supplies | 1 71 | " |
| 26 | Chas. H. Rollins, | Police serv. & team | 1 75 | " |
| 27 | Wright Bros., | Labor and solder | 1 00 | " |
| 28 | P. A. Allen, | Services to Feb 1 | 33 00 | " |
| 30 | " " | " Feb 20 | 33 00 | " |
| 34 | " " | " Mar 6 | 33 00 | " |
| 35 | John W. Goodhue, | Supplies | 2 15 | " |
| 36 | C. W. Brown, | Office rent Jan & Feb | 16 68 | " |
| 37 | Geo. F. Shearman. | Cleaning office | 60 | " |
| 38 | Wm. S. Lee & Co., | Labor on batteries | 1 00 | " |
| 39 | Wm. H. Gallison Co. | Fittings | 3 03 | Services |
| 40 | P. A. Allen, | Services to Mar 20 | 33 00 | Maintenance |
| 42 | Est. Wm. G, Brown | Team | 2 00 | " |
| 43 | Jackson Ex. Co., | Expressage | 1 35 | " |
| 44 | John Doyle. | Labor | 60 | " |
| 45 | C. W. Brown, | Office rent, March | 6 33 | " |
| 46 | Ipswich Gas Light Co., | Gas consumed | 35 | " |
| 47 | National Meter Co., | 10 ⅝in Crown Meters | 124 00 | Services |
| 48 | Chronicle Pub. Co., | Bill,notices,letter hd | 5 50 | Maintenance |

| No. | Paid To | For What | Amt's. | Ac. App'd To. |
|---|---|---|---|---|
| 49 | National Lead Co. | 3 Reels Lead Pipe | $58 45 | Services |
| 50 | P. A. Allen | Services to April 3 | 33 00 | Maintenance |
| 52 | N. N. Jones | Opinion on Liability | 3 00 | " |
| 53 | A. A. Rutherford | Cutting trees | 2 00 | " |
| 54 | Chas. M. Kelly | Services Jan, Feb & Mar and stamps | 62 70 | " |
| 56 | Frank R. Smith | Labor | 1 70 | " |
| 57 | John Doyle | Labor | 17 60 | " |
| 58 | N. Y. & Boston Dyewood Co | Sal Soda | 1 77 | " |
| 59 | Wm. H. Gallison Co | Knowlton Packing | 3 13 | " |
| 60 | Gutta Percha and Rubber Mfg Co | Gasket and Washers | 3 96 | " |
| 61 | Ipswich Mills | Labor, paint, waste, etc | 12 18 | " |
| 62 | Ebin R. Smith | Office sund & teleg | 3 20 | " |
| 63 | C. W. Brown | Office rent, April | 6 33 | " |
| 64 | John W. Goodhue | Top dressing | 3 80 | " |
| 65 | Independent Printing Co. | 5000 envelopes | 10 00 | " |
| 66 | American Ex. Co | Expressage | 1 65 | Services |
| 67 | P. A. Allen | Services to May 1 | 66 00 | Maintenance |
| 68 | D. A. Grady | Teams | 6 00 | " |
| 69 | P. A. Allen | Services to May 15 | 33 00 | " |
| 71 | Parsons Bros | Labor | 29 20 | Services |
| 72 | John Doyle | Labor | 2 40 | Maintenance |
| 73 | National Lead Co | 3 Reels lead pipe | 58 52 | Services |
| 74 | Wm H. Gallison Co | Tools and supplies | 68 | " |
| 75 | Nat'l Tube Wk's Co | Galvanized pipe | 31 78 | " |
| 76 | Brigham & Taylor | | 32 68 | " |
| 77 | C. F. Wilcox | Paints and brushes | 4 31 | Maintenance |
| 78 | Monash-Younker Co | | 4 25 | " |
| 79 | Wright Bros | Labor and solder | 1 35 | " |
| | " | Tap. mac. & tools, etc | 79 21 | Services |
| | " | On service contract | 25 00 | On '96 account |
| 80 | Walworth Mnfg Co | Tools | 10 35 | Services |
| 81 | A. D. Mallard | Teaming | 4 40 | Maintenance |
| 82 | John W. Goodhue | Lawn mow'r, rake, etc | 6 80 | " |
| 83 | A. H. Plouff | Match box | 50 | " |
| 84 | Wm. H. Gallison Co | Bakers Polish | 2 00 | " |
| 85 | Albert Mallard | Labor | 1 80 | Repairs |
| 86 | Jackson Ex Co | Expressage | 1 00 | Maintenance |
| 87 | Albert O. Goodwin | Labor | 8 80 | Repairs |
| 88 | A. D. Mallard | Teaming | 2 00 | Maintenance |
| 89 | John Doyle | Cut'ng grass at res'r | 5 00 | " |
| 90 | Chas. V. Hills | Labor | 1 00 | Repairs |
| 91 | James R. Merry | Labor | 50 | " |
| 91 | " | Labor | 10 50 | Services |
| 92 | P. A. Allen | Services to June 12 | 66 00 | Maintenance |
| 93 | National Lead Co | 3 Reels lead pipe | 58 62 | Services |

| No | Paid To | For What | Am'nt | Ac. Appl'd To. |
|---|---|---|---|---|
| 94 | J. Ed. Bradstreet | Labor and teaming | 75 | Maintenance |
| 95 | Frank H. Howe | Teaming | 50 | Repairs |
| 95 | " " | Teaming | 1 55 | Services |
| 96 | Parsons Bros | Labor | 44 40 | " |
| 97 | B. & M. R. R | Freight | 25 | Maintenance |
| | " " | Freight | 9 64 | Services |
| 98 | G. A. Schofield, P. M | 500 1 cent stamps | 5 00 | Maintenance |
| 99 | Chas. M. Kelly | Serv. Apr, May, June | 62 50 | " |
| 101 | P. A. Allen | Services to June 10 | 66 00 | " |
| 102 | John W. Goodhue | Supplies | 85 | " |
| | " " | Supplies | 62 | Services |
| 103 | C. F. Wilcox | Oil | 1 93 | Maintenance |
| 104 | James R. Merry | Labor | 6 75 | Services |
| 105 | Chronicle Pub. Co | Bills | 6 00 | Maintenance |
| 106 | National Meter Co | 10 ⅝in Crown Meters | 124 00 | Services |
| 107 | Walworth Mnfg Co | Fittings | 11 23 | " |
| 108 | Ipswich Mills | Cotton Waste | 4 20 | Maintenance |
| | T. E. Condon, Treas | Interest on Bonds | 2720 00 | Int on Bonds |
| 111 | Walworth Mnfg Co | Fitting | 4 86 | Services |
| 112 | First Nat'l Bank | Ink | 75 | Maintenance |
| 113 | A. D. Mallard | Teaming | 1 00 | " |
| | " | Teaming | 2 35 | Services |
| 114 | John Doyle | Labor | 7 00 | Maintenance |
| | " " | Labor | 3 50 | Repairs |
| 116 | Theo. F. Cogswell | Paint | 2 17 | Maintenance |
| 117 | Wright Bros | Labor | 70 | Services |
| 118 | George Harris | Use of land | 1 00 | Maintenance |
| 120 | George P. Smith | Damages | 14 95 | Repairs |
| 121 | Ips. Gas Light Co | Gas consumed | 35 | Maintenance |
| 122 | C. W. Brown | Rent May, June, July | 29 00 | " |
| 123 | Tenney's Express | Teaming | 1 75 | " |
| 124 | American Ex. Co | Ex. on Fitting | 15 | Services |
| 125 | James R. Merry | Labor | 5 00 | " |
| 126 | H. Mueller Manfg Co | Fittings | 5 25 | " |
| 128 | P. A. Allen | Services to Aug 7 | 66 00 | Maintenance |
| 129 | Benjamin Fewkes | Care gate posts, etc | 10 00 | " |
| 130 | Buffalo Meter Co | Meter book | 3 27 | " |
| 131 | Independent Press | Advertising | 1 50 | " |
| 132 | Parsons Bros | Labor | 36 64 | Services |
| 134 | P. A. Allen | Services to Aug 21 | 33 00 | Maintenance |
| 135 | Frank H. Howe | Freight and teaming | 40 | Services |
| 136 | Chronicle Pub. Co | Advertising | 1 00 | Maintenance |
| 137 | National Lead Co | Solder | 2 65 | Services |
| 138 | J. Howard Lakeman | Labor & materials | 13 25 | Maintenance |
| | " " | " " | 75 | Services |
| 139 | Walworth Mfg Co | Fittings | 24 88 | " |
| 140 | Mutual Boiler InsCo | Prem. on Insurance | 24 00 | Maintenance |
| 141 | P. A. Allen | Services to Sept 18 | 66 00 | " |
| 142 | Chronicle Pub. Co | Bills | 2 00 | " |

| No. | Paid To | For What. | Am't. | Ac. Appl'd To |
|---|---|---|---|---|
| 143 | National Lead Co | Solder | 3 00 | Services |
| 144 | James R. Merry | Labor | 7 87 | " |
| 145 | P. A. Allen | Services to Oct 2 | 33 00 | Maintenance |
| 147 | B. & M. R. R | Freight | 1 40 | Services |
| 148 | C. W. Brown | Rent Aug and Sept | 17 32 | Maintenance |
| 149 | Chas. M. Kelly | Serv. July, Aug, Sept | 62 50 | " |
| 150 | Edward Davis | Labor | 1 40 | Repairs |
| 151 | Wm. Ewing | Labor | 1 40 | Repairs |
| 152 | J. H. Lakeman | Labor and materials | 25 70 | Maintenance |
| 153 | Parsons Bros | Labor | 74 65 | Services |
| 154 | A. D. Mallard | Teaming | 3 15 | " |
| | " | Teaming | 1 00 | Maintenance |
| 155 | James R. Merry | Labor | 2 75 | Repairs |
| | " | Labor | 6 00 | Services |
| 156 | Tenney's Express | Teaming | 80 | " |
| 157 | Walworth Mnfg Co | Fitting | 6 21 | " |
| 158 | F. J. Dibble | Ink for telemeter | 1 00 | Maintenance |
| 159 | C. A. Sayward, Atty | L'd d'geCarrieA.Tozer.et al | 575 00 | L. D. Rgt of wy |
| 160 | P. A. Allen | Services to Oct 30 | 66 00 | Maintenance |
| | | Sinking Fund | 3500 00 | Sinking Fund |
| | Niles & Carr | Claim L. P. Pickard | 200 00 | L.D. Rgt of wy |
| 161 | Edward Davis | Labor | 4 80 | Repairs |
| 161 | " | Labor | 1 40 | Services |
| 162 | John Cronin | Labor | 8 00 | Repairs |
| 163 | Amos B. Parsons | Labor | 3 80 | " |
| 164 | A. W. Brown | Coal | 416 25 | Maintenance |
| 165 | Wm. H. Gallison Co | Fittings | 7 82 | Services |
| 166 | National Lead Co | Lead Pipe | 55 07 | " |
| 167 | George Spencer | Labor | 4 27 | Repairs |
| 168 | John W. Goodhue | | 4 00 | Repairs |
| 169 | David A. Grady | Transportation | 8 00 | Maintenance |
| | " | " | 5 00 | Repairs |
| 170 | Jerry Sullivan | Labor | 8 00 | Repairs |
| 171 | Michael Young | Labor | 11 10 | Repairs |
| 172 | Chronicle Pub. Co | Printing | 6 00 | Maintenance |
| 173 | C. F. Chapman | Sponge | 85 | " |
| 174 | American Express | | 15 | " |
| | " | | 15 | Services |
| 175 | James R. Merry | Labor | 12 35 | " |
| 176 | John Doyle | Labor | 8 00 | Maintenance |
| 177 | Amos Parsons | Labor | 2 80 | " |
| 178 | Independent Press | Printing | 8 00 | " |
| 179 | National Lead Co | Lead | 10 54 | Services |
| 180 | Knowles S.Pump.Co | Supplies | 6 60 | Maintenance |
| 181 | John M. Dunnels | Labor | 1 65 | Repairs |
| | " | Labor | 3 68 | Services |
| 182 | Parsons Bros | Labor | 74 53 | " |
| 183 | Buffalo Meter Co | Meter | 6 35 | " |
| 184 | Cunningham IronCo | Grate bars | 11 73 | Maintenance |
| 185 | A. D. Mallard | Teaming | 1 50 | " |
| | " | " | 1 00 | Repairs |

| No. | Paid to | For what | Am'ts. | Ac. Appli'd to |
|---|---|---|---|---|
| | A. D. Mallaad | Teaming | $2 65 | Services |
| 186 | C. W. Brown | Rent | 4 33 | Maintenance |
| 187 | " " | Gas Fixtures | 10 00 | " |
| 188 | Alfred Young | Labor | 3 00 | " |
| 189 | Alexander McLean | " | 3 00 | " |
| 190 | John Doyle | " | 3 00 | " |
| | " " | " | 40 | Repairs |
| 191 | P. A. Allen | Services to Nov. 27 | 66 00 | Maintenance |
| 192 | Lubion Man'f'g Co | Supplies | 16 80 | " |
| 193 | Ips. Gas Light Co. | Gas | 35 | " |
| 194 | Arthur C. Damon | Furniture for Office | 102 05 | Mis. Expenses |
| 195 | H. A. Russell | Weighing | 4 00 | Maintenance |
| 196 | Edward Davis | Labor | 40 | " |
| 197 | Jerry Sullivan | " | 3 40 | " |
| 198 | A. D. Mallard | Teaming | 5 00 | " |
| | " " | " | 50 | Repairs |
| 199 | A W Chersterton Co | Supplies | 17 25 | Maintenance |
| 200 | John Doyle | Labor | 1 40 | Repairs |
| 202 | Nat. Meter Co | Meter | 20 80 | Services |
| 203 | Wm. H. Bird | Labor on telemeter | 4 55 | Maintenance |
| 204 | John W. Goodhue | Supplies | 39 71 | " |
| 205 | Charles Bailey | Labor | 5 60 | " |
| 206 | F. J. Dibble | Sup. for telemeter | 6 03 | " |
| 207 | Old Colony Trust Co | Interest on bonds | 2720 00 | Int. on bonds |
| 208 | D S. Appleton | | 10 00 | Mis. Expenses |
| 209 | Albert Tenney | Teaming | 25 | Repairs |
| | " " | " | 25 | Services |
| 210 | Niles & Carr | Legal Expenses | 100 00 | Land Damages |
| 211 | Moses Bushey | Labor | 1 58 | Repairs |
| 212 | B. & M. R. R | Freight | 1 51 | " |
| | " " | " | 1 52 | Services |
| 213 | L. G. Parson | Labor | 40 | Repairs |
| 214 | Frank H. Howe | Teaming | 1 00 | " |
| 215 | James Graffum | Labor and Materials | 8 10 | " |
| 216 | James R. Merry | Labor | 2 25 | " |
| | " " | " | 1 25 | Services |
| 217 | Frank B. Page | " | 10 28 | " |
| 218 | Parsons Bros. | " | 5 53 | " |
| 219 | A. D. Mallard | Teaming | 25 | Repairs |
| 220 | W. E. Lord | Salary for 1897 | 100 00 | Maintenance |
| 221 | E. H. Martin | " " " | 100 00 | " |
| 222 | C. W. Brown | " " " | 100 00 | " |
| 223 | P. A. Allen | Services to Jan. 1, '98 | 82 50 | " |
| 224 | Charles M. Kelly | " " | 62 50 | " |
| 225 | Chapman Valve Co | Repairs on Hydrant | 12 41 | Repairs |
| 226 | W. E. Lord | Recording deeds | 1 25 | Land Damages |
| 227 | Henry L. Ordway | Labor | 1 25 | Repairs |
| 228 | S. F. Canney | Lumber | 7 62 | " |
| 229 | Hersey Meter Co | Repairing Meters | 2 30 | " |
| 230 | Jackson Express Co | Express | 2 15 | Services |
| | | | $13840.86 | |

## II. MAINTENANCE ITEMS

| | |
|---|---|
| Commissioners Salaries, 1897 | $300 00 |
| Engineers Services, 1897 | 874 50 |
| Clerk's Services, 1897 | 250 00 |
| Supplies | 161 00 |
| Office Rent | 79 99 |
| Gas | 1 05 |
| Repairs | 151 36 |
| Printing and Advertising | 73 05 |
| Stationery, Stamps and Books | 46 42 |
| Insurance | 74 00 |
| Fuel | 416 70 |
| Teaming, Express and Freight | 20 00 |
| Miscellaneous Items | 63 97 |
| | $2 512 04 |

## III. RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDING DEC. 31, 1897.

| Receipts | | Disbursements. | | |
|---|---|---|---|---|
| On hand Dec. 31'96 | $1290 38 | Land Damages etc | | $876 25 |
| Water Rates | 6265 37 | Mis. Expenses | | 112 05 |
| Services | 378 39 | Interest on bonds | | 5440 00 |
| Miscellaneous | 19 86 | Sinking Fund | | 3500 00 |
| B. & M. R. R. Cast-lost in transit | 3 38 | Services, due on contract 1896 | | 25 00 |
| Fishing Rights | 15 00 | Services | | 1251 08 |
| Hay at Basin | 15 00 | Maintenance | 2512 04 | |
| Dividends on Ins. | 33 83 | Repairs | 124 44 | 2636 48 |
| Appropriations | 3775 00 | | | |
| Sinking Fund, amt drawn from Savings Bank | 1600 92 | | | |
| Discount on bill | 20 | | | |
| Balance | 443 53 | | | |
| | $13840 86 | | | $13840 86 |

## IV. COMMISSIONERS' BALANCE SHEET, 1897.

| DR. | | CR. | |
|---|---|---|---|
| Bonds and Premiums | $144,254 58 | Engineering | $ 3,350 00 |
| Interest | 434 42 | Land damage and Rights of Way | 3,377 65 |
| Water Rates | 15,562 55 | Pumping Station | 10,047 41 |
| Appropriations | 17,709 50 | Pumps and Pumping Machinery | 8,298 46 |
| Miscellaneous Rec'lts | 30 00 | Storage Basin | 27,673 59 |
| Balance | 443 53 | Bull Brook Supply | 1,778 60 |
| | | Distributing Rese'voir | 17,827 56 |
| | | Pipe Line Constr'tion | 64,610 54 |
| | | Service Pipe " | 5,890 44 |
| | | Miscellaneous Exp'ns | 2,749 26 |
| | | Total cost of Cons | $145,603 45 |
| | | Int. on Bonds & Notes | 17,938 32 |
| | | Maintenance Ex. | 7,065 71 |
| | | Materials & Supplies on hand | 1,780 16 |
| | | Sinking Fund | 5,568 93 |
| | | Water rates due and unpaid, $304.99 | |
| | | Services due and unpaid 110.28 | |
| | | Due from sale of iron 62.69 | 477 96 |
| | $178,434 58 | | $178,434 58 |

## V. SUMMARY OF COST OF CONSTRUCTION TO DATE.

| Construction Account. | Jan. 1st, '97 | Year 1897 | Total Jan. 1, 1898 |
|---|---|---|---|
| Engineering | $ 3,350 00 | | $ 3,350 00 |
| Land Damages and Rights of Way | 2,501 40 | $ 876 25 | 3,377 65 |
| Pumping Station | 10,047 41 | | 10,047 41 |
| Pumps and Pumping Machinery | 8,298 46 | | 8,298 46 |
| Storage Basin | 27,673 59 | | 27,673 59 |
| Bull Brook Supply | 1,778 60 | | 1,778 60 |
| Distributing Reservoir | 17,827 56 | | 17,827 56 |
| Pipe Line Construction | 64,565 36 | 45 18 | 64,610 54 |
| Services | 5,172 05 | 718 39 | 5,890 44 |
| Miscellaneous | 2,637 15 | 112 05 | 2,749 20 |
| | $143,851 58 | $ 1,751 87 | $145,603 45 |

## VI. SINKING FUND.

| Receipts | | | Investments | |
|---|---|---|---|---|
| Appropriation | 1895 | $1700 00 | Town of Ipswich School Notes | $2000 00 |
| " | 1896 | 1759 50 | Ipswich Gas Light Co. Notes | 3500 00 |
| " | 1897 | 1899 08 | Ipswich Savings Bank | 68 98 |
| Interest | | 210 40 | | |
| | | $5568 98 | | $5 568 98 |

## AUDITOR'S REPORT.

I certify that I have examined the books of the Water Commissioners, and find that the statements rendered are correct, vouched for and correctly cast

HENRY F. DUNNELS, Auditor.

Ipswich, Jan. 21, 1898

# ENGINEER'S REPORT.

*To the Board of Water Commissioners:*

GENTLEMEN:—I herewith present my report for the year ending December 31, 1897.

The water at the Storage Basin stood at the high water level until August 1. From them to October 4 it lowered 8 inches; from October 4 to October 25, 14 inches; which made 22 inches below the high water level.

This rapid fall in October is accounted for by a bad leak in the main pipe which was not located until October 12, under Muddy River. The lead had almost entirely blown out of a joint, caused probably by the settling of the pipe.

## MAIN PIPE.

There have been eight leaks in the mains during the year as follows: two in 12 inch; two in 10 inch; one in 8 inch; three in 6 inch pipe; and one broken hydrant.

As there have been no extensions of mains this years, the number of feet of mains laid remains the same as in last report, which is as follows:

| Sizes | Feet |
|---|---|
| 14 inch | 1,505 |
| 12 inch | 10,963 |
| 10 inch | 8,830 |
| 8 inch | 17,897 |
| 6 inch | 26,644 |

Total 65,839 ft. or 12,469+ Miles.

## HYDRANTS.

The number now set is as follows:

| | |
|---|---|
| Town | 111 |
| Private | 6 |
| Total | 117 |

## STREET GATES.

The total number now set is ..... 126

## SERVICE PIPES.

There have been nine leaks in service pipes during the year, seven of them from bad soldered joints, two from defective fitting, and one service was stopped with an eel. 32 taps have been added this year making the total number to date 541.

Following is an account of the number of feet of service pipe laid (by years) since the works were put in

| | Town | | Private | | Total | |
|---|---|---|---|---|---|---|
| | Ft. | In. | Ft. | In. | Ft. | In. |
| 1894 | 4.470 | 4 | 2.771 | 2 | 7.241 | 6 |
| 1895 | 5.312 | 3 | 6.051 | 5 | 11.363 | 8 |
| 1896 | 2.391 | 9 | 2.616 | 5 | 5.008 | 2 |
| 1897 | .890 | 6 | 1.991 | 6 | 2.882 | 0 |

Total 26.495 feet, 4 in., or 5.018+ Miles.

The kinds of pipe used are lead and galvanized iron; the sizes from ¾ inch to 4 inch.

## PUMPING PLANT.

The buildings at the Pumping Plant are in good condition. The Pumping engines, condenser, feed-pumps and boilers are in good condition.

## MONTHLY RECORD OF PUMPING SERVICE FROM JANUARY 1ST. TO DECEMBER 31ST, 1897.

| Month | No Days | Gallons Pumped | Av. daily consump. | Av. head on suction | Pounds of Coal |
|---|---|---|---|---|---|
| | | | | Ft. | |
| January | 31 | 2,118,402 | 68.335 | 12 | 19929 |
| February | 28 | 1,887,550 | 67.412 | 12 | 15928 |
| March | 31 | 1,923,903 | 62.061 | 12 | 15940 |
| April | 30 | 2,544,825 | 84.827 | 12 | 16987 |
| May | 31 | 2,745,475 | 88.563 | 12 | 17537 |
| June | 30 | 2,404,400 | 80.146 | 12 | 13989 |
| July | 31 | 3,253,461 | 104 950 | 12 | 19903 |
| August | 31 | 2,711,420 | 87.529 | 11½ | 16183 |
| September | 30 | 3,132,140 | 104.404 | 11¼ | 18347 |
| October | 31 | 5,905,585 | 190.502 | 10½ | 27498 |
| November | 30 | 1,732,570 | 57.752 | 12 | 15741 |
| December | 31 | 1,897,535 | 61.210 | 12 | 17047 |
| 12 | 365 | 32,257,266 | 88.376 | | 215029 |

Tons of coal consumed during the year 95 $\frac{2229}{2240}$

Gallons of water pumped to a pound of coal, 150. $\frac{1}{4}$

## METERS.

Forty-three Meters have been set this year. The total number now in use is as follows:

| NAME. | SIZES. | | Totals |
|---|---|---|---|
| | 1 inch. | ⅝ inch | |
| Crown | 2 | 45 | 47 |
| Hersey Disc | 1 | 29 | 30 |
| Nash | | 4 | 4 |
| Thompson | | 2 | 2 |
| Union | | 2 | 2 |
| Empire | | 1 | 1 |
| Trident | | 1 | 1 |
| Elevator Indicator | 1 | | 1 |
| 8 | 4 | 84 | 88 |

29 Faucets are sealed at the present time, which number comes very near being as many as have been added the past year.

Respectfully submitted,

Prince A. Allen.

January 24, 1898.

## THOS. E. CONDON, TREASURER IN ACCOUNT WITH WATER BOARD FOR THE YEAR ENDING, DEC. 31, 1897.

### DR.

| | | | |
|---|---|---|---|
| Jan. | 7 | To cash Water Board on acc. of Water Rates | $1,000 00 |
| | 13 | " " dividends on Ins. Policy on Power house | 33 83 |
| | 21 | " " Water Board on acc. of Water Rates | 1,324 48 |
| Feb. | 2 | " " " " " " " " " | 150 00 |
| | 8 | " " " " " " " " " | 200 00 |
| | 15 | " " " " " " " " " | 200 00 |
| | 24 | " " " " " " " " " | 300 00 |
| Mar. | 4 | " " " " " " " " " | 400 00 |
| | 8 | " " " " " " " " " | 100 00 |
| | 30 | " " " " " " " " " | 100 00 |
| Apr. | 12 | " " " " " " " " " | 300 00 |
| | 27 | " " " " " " " " " | 200 00 |
| May | 4 | " " J. W. Goodhue, discount on Bill | 20 |
| | 17 | " " Water Board on acc. of Water Rates | 100 00 |
| July | 8 | " " " " " " " " " | 600 00 |
| | 15 | " " " " " " " " " | 300 00 |
| | 20 | " " " " " " " " " | 300 00 |
| | 29 | " " " " " " " " " | 400 00 |
| Aug. | 6 | " " " " " " " " " | 400 00 |
| | 13 | " " " " " " " " " | 300 00 |
| | | " " " " " " " appro'n in part | 2000 00 |
| | 16 | " " " " " " " Sinking Fund | 1600 00 |
| | 17 | " " " " " " " " " | 92 |
| | 19 | " " " " " " " Water Rates | 300 00 |
| Oct. | 2 | " " " " " " " " " | 300 00 |
| Dec. | 7 | " " " " " " " " " | 250 32 |
| | | " " " " " " " Service Piping | 349 68 |
| | 31 | " " " " " " " " " | 28 71 |
| | | " " " " " " " Water Rates | 23 19 |
| | | " " " " " " " Miscellaneous | 15 00 |
| | | " " " " " " " Bal. of Appro'n | 1775 00 |
| | | " " Water Board on acc. of Water Rates | 46 00 |
| | | " " Orders allowed and not paid | 566 37 |
| | | | $13963 70 |

### CR.

| | | |
|---|---|---|
| Dec, 31 | By cash gross amt. of orders allowed by Water Board | $13840 86 |
| | By cash on hand | 122 84 |
| | | $13963 70 |

Examined and found correct, HENRY F. DUNNELS, Auditor.

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## *WATER ANALYSIS (Parts in 100,000.)*

| Date of Collection. | Date of Examination. | Appearance: Turbidity. | Appearance: Sediment. | Appearance: Color | Odor: Cold. | Odor: Hot. | Residue: Total. | Ammonia: Free. | Ammonia: Albuminoid | Chlorine. | Nitrogen as Nitrates | Nitrogen as Nitrites | Oxygen Consumed. | Hardness. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1897 Jan. 25 | 1897 Jan. 25 | Very slight | slight | 1.20 | Dist. veg. | Dist. veg. | 6.95 | .0008 | .0234 | .88 | .0080 | .0000 | .9855 | 1.7 | Bull Brook. |
| Jan. 25 | Jan. 25 | Very slight | Cons brown | 0.30 | Dist. veg. | Dist. veg. | 4.80 | .0018 | .0108 | .62 | .0050 | .0000 | .3066 | 1.7 | Dow's Brook. |
| Jan. 25 | Jan. 25 | slight | Very slight | 0.40 | Dist. veg. & mouldy. | Dist. veg. | 5.85 | .0030 | .0244 | .65 | .0050 | .0001 | .4489 | 1.6 | Storage Basin. |
| Jan. 23 | Jan. 26 | slight | Cons. brown | 0.73 | Dist. veg | Dist. veg. | 6.40 | .0080 | .0242 | .71 | .0050 | .0001 | .8030 | 1.6 | Dam at Mills. |
| Feb. 22 | Feb 23 | Very slight | Very slight | 1.15 | Dist. veg. | Dist. veg. | 6.15 | .0016 | .0194 | .75 | .0070 | .0000 | .8560 | 2.9 | Bull Brook. |
| Feb. 22 | Feb. 23 | Very slight | Very slight | 0.35 | Dist. veg. | Dist. veg. | 4.45 | .0008 | .0096 | .53 | .0030 | .0000 | .3600 | 1.4 | Dow's Brook. |
| Feb 22 | Feb. 23 | slight sl. scum | Very slight | 0.20 | Dist. veg. & mouldy. | Dist. veg | 4.40 | .0004 | .0194 | .77 | .0030 | 0000 | .2480 | 1.2 | Storage Basin. |
| Mar 23 | Mar. 24 | Very slight | Very slight | 1.3 | Dist. veg. | Dist. veg. | 4.60 | .0016 | .0252 | .54 | .0050 | .0002 | .0080 | 1.1 | Bull Brook. |

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## *WATER ANALYSIS (Parts in 100,000.)*

| Date of Collection. | Date of Examination. | Appearance: Turbidity. | Appearance: Sediment. | Appearance: Color | Odor: Cold. | Odor: Hot. | Residue: Total. | Ammonia: Free. | Ammonia: Albumoid. | Chlorine. | Nitrogen as Nitrates | Nitrogen as Nitrites | Oxygen Consumed. | Hardness. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1897 Mar. 23 | 1897 Mar. 24 | Very slight | slight | 0.70 | Dist. veg. | Faint. veg. | 3 90 | .0010 | .0218 | .54 | .0030 | .0002 | .5640 | 1.1 | Dow's Brook. |
| Mar. 23 | Mar. 24 | Very slight | Very slight | 0.02 | Faint. veg. | Dist. veg. | 0 60 | .0026 | .0082 | .19 | .0020 | .0000 | .0720 | 0.0 | Storage Basin. |
| Apr. 26 | Apr. 27 | Very slight | Cons. | 1.75 | Dist. veg. | Dist. veg. | 5.85 | .0010 | .0310 | .65 | .0030 | .0000 | 1.3040 | 1.9 | Bull Brook. |
| Apr. 26 | Apr. 27 | Very slight | Cons. | 0.55 | Dist. veg. | Dist. veg. | 4 10 | .0006 | .0130 | .52 | .0000 | .0000 | .5600 | 1.4 | Dow's Brook. |
| Apr. 26 | Apr. 27 | slight | Cons. | 0.38 | Dist. veg. | Dist. veg. | 3.95 | .0038 | .0188 | .64 | .0070 | .0000 | .3920 | 1.4 | Storage Basin. |
| May 24 | May 25 | Very slight | slight | 2.20 | Dist veg. | Dist. veg. | 7.00 | .0010 | .0290 | .62 | 0070 | .0001 | 1.3920 | 2.2 | Bull Brook. |
| May 24 | May 25 | Very slight | slight | 0.48 | Dist. veg. & mouldy. | Dist. vg. & mouldy. | 4.80 | .0008 | .0114 | .50 | .0050 | .0000 | .3800 | 1.7 | Dow's Brook. |
| May 24 | May 25 | Very slight | Very slight | 0.43 | Dist. veg. | Dist. veg. | 4.80 | .0012 | .0162 | .62 | .0050 | .0000 | .4640 | 1.3 | Storage Basin. |

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## *WATER ANALYSIS (Parts in 100,000.)*

| Date of Collection. | Date of Examination. | Appearance: Turbidity. | Appearance: Sediment. | Appearance: Color | Odor: Cold. | Odor: Hot. | Residue: Total. | Ammonia: Free. | Ammonia: Albumoid. | Chorine. | Nitrogen as Nitrates | Nitrogen as Nitrites | Oxygen Consumed. | Hardness. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1897 June21 | 1897 June22 | Very slight | Very slight | 1.73 | Dist. veg. | Dist. veg. | 6 45 | .0000 | .0292 | .52 | .0030 | .0000 | 1.1812 | 2.0 | Bull Brook. |
| June21 | June22 | Very slight | slight | 0.61 | Faint. veg. | Faint. veg. | 4 65 | .0010 | .0148 | .45 | .0020 | .0000 | .5737 | 1.4 | Dow's Brook. |
| June21 | June22 | Very slight | slight | 0.54 | Faint veg. | Faint. veg. | 4.85 | .0010 | .0192 | .52 | .0030 | .0002 | .5700 | 1.4 | Storage Basin. |
| July 26 | July 27 | None | Very slight | 2 35 | Faint. veg | Dist. veg. | 8 85 | .0012 | .0414 | .76 | .0150 | .0001 | 2 1870 | 2.6 | Bull Brook. |
| July 26 | July 27 | None | Very slight | 0.26 | Faint. veg. | Faint. veg. | 4.80 | .0018 | .0110 | .60 | .0200 | .0000 | .3240 | 2.1 | Dow's Brook. |
| July 26 | July 27 | None | Very slight | 0.33 | Faint veg. | Faint. veg. | 5 00 | .0002 | .0208 | .67 | 0120 | .0000 | .4495 | 2.1 | Storage Basin. |
| Aug. 23 | Aug. 24 | Very slight | slight | 0.62 | Faint. veg | Dist. veg. | 6 40 | .0030 | .0168 | .72 | .0050 | .0000 | .4912 | 2.6 | Bull Brook |
| Aug. 23 | Aug. 24 | Very slight | slight | 0.15 | Faint. veg. | Dist. veg. | 4.75 | .0142 | .0118 | .54 | .0070 | .0003 | .1987 | 1.9 | Dow's Brook. |

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## *WATER ANALYSIS (Parts in 100,000.)*

| Date of | | Appearance | | | Odor. | | Residue. | Ammonia | | Chorine. | Nitrogen as | | Oxygen Consumed. | Hardness. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Collection. | Examination. | Turbidity. | Sediment. | Color | Cold. | Hot. | Total. | Free. | Albumoid. | | Nitrates | Nitrites | | | |
| 1897 Aug 23 | 1897 Aug. 24 | Very slight | slight | 0.14 | Dist. veg. | Dist. veg. | 4 90 | .0028 | .0208 | .61 | .0020 | .0000 | .3487 | 1.7 | Storage Basin. |
| Sept. 26 | Sept. 28 | Very slight | Very slight | 1.80 | Dist. veg. & Fnt. moul'y | Dist. veg. | 8 45 | .0014 | .0290 | .80 | .0020 | .0001 | 1.4080 | 2.6 | Bull Brook. |
| Sept. 26 | Sept. 28 | Very slight | Very slight | 0.30 | Faint. veg. | V fn't. veg. | 5.25 | .0000 | .0076 | .61 | .0060 | .0000 | .3520 | 2.1 | Dow's Brook. |
| Sept. 26 | Sept 28 | Very slight | Very slight | 0.30 | Faint. veg | Faint. veg. | 5.05 | .0016 | .0190 | .66 | .0000 | .0000 | .3600 | 2.3 | Storage Basin. |
| Oct. 25 | Oct. 26 | Very slight | Cons. | 0.60 | Dist. veg. | Dist. veg. | 6.65 | .0046 | .0158 | .76 | .0100 | .0000 | .4400 | 3.0 | Bull Brook. |
| Oct. 25 | Oct. 26 | Very slight | Very slight | 0.66 | Faint veg. | Dist. veg. | 5.15 | .0030 | .0246 | 1.56 | 0150 | .0000 | .2960 | 2.5 | Dow's Brook. |
| Oct. 25 | Oct. 26 | Very slight | Very slight | 0.32 | Dist. veg | Dist. veg. | 5.20 | .0030 | .0238 | .68 | .0130 | 0000 | .3200 | 2.2 | Storage Basin |
| Nov. 22 | Nov. 22 | Very slight | Very slight | 1.50 | Faint. veg. | Dist. veg. | 8.70 | .0030 | 0304 | .81 | .0060 | .0002 | .3120 | 2.4 | Bull Brook. |

# COMMONWEALTH OF MASSACHUSETTS.—State Board of Health.

## *WATER ANALYSIS (Parts in 100,000.)*

| Date of Collection. | Date of Examination. | Appearance: Turbidity. | Appearance: Sediment. | Appearance: Color | Odor: Cold. | Odor: Hot. | Residue: Total. | Ammonia: Free. | Ammonia: Albumoid. | Chlorine. | Nitrogen as Nitrates | Nitrogen as Nitrites | Oxygen Consumed. | Hardness. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1897 Nov. 22 | 1897 Nov. 23 | slight | slight | 0.45 | None | Faint. musty | 5 35 | .0056 | .0220 | .71 | .0080 | .0001 | .4320 | 2.5 | Storage Reservoir |
| Nov. 22 | Nov. 24 | Very slight | Very slight | 0.60 | Fnt. veg. & earthy | Fnt veg. & earthy | 5 10 | .0010 | .0136 | .56 | .0030 | .0001 | .6400 | 1.8 | Dow's Brook. |
| Dec. 27 | Dec. 28 | slight | Very slight | 1.08 | None | Faint. veg. | 6.25 | .0024 | .0196 | .78 | .0010 | .0000 | .8080 | 2.3 | Bull Brook. |
| Dec. 27 | Dec 28 | Very slight | slight | 0.32 | None | None | 4 15 | .0010 | .0070 | .56 | .0090 | .0000 | .2720 | 1.8 | Dow's Brook. |
| Dec. 27 | Dec. 28 | slight | Very slight | 0.50 | None | Fnt. veg. & musty | 5.70 | .0026 | .0226 | .78 | .0100 | .0000 | .5280 | 2.1 | Storage Basin |

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